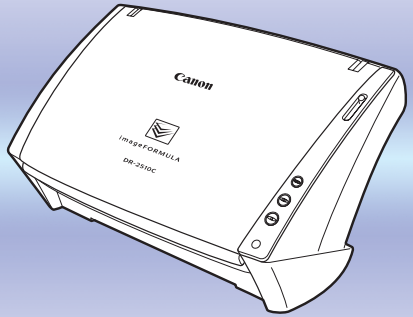
imageFORMULA

DR-2010C/DR-2510C
DR-2010M/DR-2510M

User Manual



- Please read this manual before operating this scanner.
- After you finish reading this manual, store it in a safe place for future reference.

Introduction
Contents
Chapter 1 Before Using the Scanner
Chapter 2 Setup
Chapter 3 Basic Operation
Chapter 4 CaptureOnTouch Settings
Chapter 5 Other Scanning Methods
Chapter 6 Scanner Driver Settings
Chapter 7 Maintenance
Chapter 8 Troubleshooting
Chapter 9 Appendix
INDEX

International ENERGY STAR® Office Equipment Program

As an ENERGY STAR® Partner, Canon Electronics Inc. has determined that this machine meets the ENERGY STAR® Program guidelines for energy efficiency.

The International ENERGY STAR® Office Equipment Program is an international program that promotes energy saving through the use of computers and other office equipment.

The program backs the development and dissemination of products with functions that effectively reduce energy consumption. It is an open system in which business proprietors can participate voluntarily. The targeted products are office equipment, such as computers, monitors, printers, fax, machine, copiers, and scanners. The standards and logos are uniform among participating nations.

Trademarks

- Canon and the Canon logo are registered trademarks of Canon Inc. in the United States and may also be trademarks or registered trademarks in other countries.
- Microsoft and Windows are registered trademarks of Microsoft Corporation in the United States and other countries.
- Macintosh and Mac OS are registered trademarks of Apple Inc. in the United States and other countries.
- ISIS is a trademark of Captiva Software Corporation, in the United States.
- Intel and Pentium are registered trademarks of Intel Corporation.
- ENERGY STAR® is a U.S. registered mark.
- Adobe is the registered trademark of Adobe Systems Incorporated in the United States and/or other countries.
- imageFORMULA is a trademark of CANON ELECTRONICS INC.
- Other product and company names herein may be the trademarks of their respective owners.

Copyright

Copyright 2009 by CANON ELECTRONICS INC. All rights reserved.
No part of this publication may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying and recording, or by any information storage or retrieval system without the prior written permission of CANON ELECTRONICS INC.

Disclaimers

The information in this document is subject to change without notice.

CANON ELECTRONICS INC. MAKES NO WARRANTY OF ANY KIND WITH REGARD TO THIS MATERIAL, EITHER EXPRESS OR IMPLIED, EXPECT AS PROVIDED HERE IN, INCLUDING WITHOUT LIMITATION, THERE OF, WARRANTIES AS TO MARKETABILITY, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OF USE OR NON-INFRINGEMENT. CANON ELECTRONICS INC. SHALL NOT BE LIABLE FOR ANY DIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY NATURE, OR LOSSES OR EXPENSES RESULTING FROM THE USE OF THIS MATERIAL.

CANON ELECTRONICS INC. IS NOT LIABLE FOR THE STORAGE AND HANDLING OF DOCUMENTS SCANNED WITH THIS PRODUCT, OR THE STORAGE AND HANDLING OF RESULTING SCANNED IMAGE DATA.
IF YOU INTEND TO DISCARD THE ORIGINALS OF SCANNED DOCUMENTS, YOU THE CUSTOMER ARE RESPONSIBLE FOR INSPECTING THE SCANNED IMAGES AND VERIFYING THAT DATA IS INTACT.
THE MAXIMUM LIABILITY OF CANON ELECTRONICS INC. UNDER THIS WARRANTY IS LIMITED TO THE PURCHASE PRICE OF THE PRODUCT COVERED BY THE WARRANTY.

Copyright © 2009 CANON ELECTRONICS INC. ALL RIGHTS RESERVED

Introduction

Thank you for purchasing the Canon DR-2010C/DR-2510C/DR-2010M/DR-2510M Document Scanner. Please read this manual thoroughly before using the scanner to familiarize yourself with its capabilities, and to make the most of its many functions. After reading this manual, store it in a safe place for future reference.

Symbols Used in This Manual

The following symbols are used in this manual to explain procedures, restrictions, handling precautions, and instructions that should be observed for safety.

(See p. 12)
Indicates the number of a reference page that contains related information.

WARNING

Indicates a warning concerning operations that may lead to death or injury to persons if not performed correctly. To use the machine safely, always pay attention to these warnings.

CAUTION

Indicates a caution concerning operations that may lead to injury to persons, or damage to property if not performed correctly. To use the machine safely, always pay attention to these cautions.

IMPORTANT

Indicates operational requirements and restrictions. Be sure to read these items carefully to operate the machine correctly, and avoid damage to the machine.

NOTE

Indicates a clarification of an operation, or contains additional explanations for a procedure. Reading these notes is highly recommended.

Contents

Introduction **3**
Symbols Used in This Manual 3

Chapter 1 Before Using the Scanner **6**
1. Important Safety Instructions 6
Installation Location 6
AC Adapter 7
Moving the Scanner 7
Handling 8
Disposal 9
When sending the scanner for repairs 9
2. Features of the Scanner 9
3. Names and Functions of Parts 11

Chapter 2 Setup **12**
1. Scanner System Requirements 12
2. Installing the Software 13
Setup Disc 13
Software Installation (Windows) 14
Software Installation (Mac OS X) 16
Connecting the Scanner to the Computer 18
3. Turning the Power ON 19
Scanner Recognition 19

Chapter 3 Basic Operation **21**
1. Documents 21
2. Preparing the Scanner 23
Preparing the Document Feed Tray 23
Preparing the Document Eject Tray 23
Preparing the Document Stopper 23
3. Placing Documents 24
Feeding in the Page Separation Mode 24
Feeding in the Bypass Mode 26
Placing Cards 26
Placing Folded Documents 27
4. Scanning Methods 28
5. Practical Examples 29
Before using Adobe Acrobat 9.0 30
6. Clearing a Paper Jam 31

7. Other Functions 32
Setting the Long Document Mode 32

Chapter 4 CaptureOnTouch Settings 35

1. What is CaptureOnTouch? 35
2. Starting CaptureOnTouch 36
Quitting CaptureOnTouch 37
Restarting CaptureOnTouch 37
3. Scanner Settings 37
Basic Scanner Settings 38
4. Output Method Settings 39
5. Scan First 40
6. Select Scan Job 42
Registering/Editing Jobs 42
Selecting Scan Jobs 44
7. Scanning with the Job Buttons 46
8. Environmental Settings 46
[Basic settings] Tab 47
[E-mail settings] Tab 47

Chapter 5 Other Scanning Methods 49

1. Scanning with CapturePerfect 3.0 49
2. Basic Scanning Procedure 50
3. Using the Scan Panel 55
4. Special Scanning 56
Enhancing the Text of a Document 56
Scanning Documents That Include Both Color and Black-and-White Pages 56
Scanning Different Sized Documents Together 57
Skipping Blank Pages 57
Scanning (Single-Sided) 11" X 17"/A3 Documents 57
Deskewing Documents 58
Moire Reduction 58
Correcting the Text Orientation of Documents 58
Reducing Bleed Through for Thin Documents and Documents with Dark Reverse Sides 58
Deleting Borders and Ruled Lines of a Specified Color (Red/Green/Blue) 58
Enhancing the Red color for Black-and-White Scanning 58
Creating Smaller Files 59
Saving the Text Data of Documents as Search Keywords 59
Specifying Security Settings for PDF Files (Windows only) 59

Chapter 6 Scanner Driver Settings 60

1. Before Using the Scanner 60
2. Scan driver settings 62
Scan Mode Settings 64
Auto Color Detection 66
Paper Size Settings 67
Scan Resolution Settings 68
Scanning Side Settings 69
Correcting Image Skewing 71
Moire Reduction 72
Adjusting the Scan Area 73
Brightness/Contrast Adjustment 75
Gamma Curve Settings 77
Image Contour Adjustment 78
Image Rotation 80
Correcting Text Orientation 81
Removing the Document Background/Preventing Bleed Through 82
Omitting a Specific Color 83
Enhancing the Red Color 85
Rapid Recovery System 86
Double Feed Detection 88
Feeding Options 89
Prescan 91
Registering Scanning Conditions 93
Checking the Version 94

Chapter 7 Maintenance 95

1. Regular Maintenance 95
Cleaning the Scanner 95
Cleaning the Inside of the Scanner 95
Cleaning the Sensor Glass and the Rollers 96
2. Removing and Attaching the Rollers and Document Holding Guide 98
Roller Replacement Cycle 98
Resetting the Counter 98
Removing/Attaching the Feeding Roller 101
Removing/Attaching the Retard Roller 103
Removing/Attaching the Document Holding Guide 105

Chapter 8 Troubleshooting 106

1. Common Problems and Solutions 106
2. Software Troubleshooting 108
3. Q & A (Useful tips) 108

4. Uninstalling the Software 110
Uninstalling on Windows 110
Uninstalling on Mac OS X 112

Chapter 9 Appendix 113

Specifications 113
Replacement Parts 114
External Dimensions 115

INDEX 117

Chapter 1 Before Using the Scanner

1. Important Safety Instructions 6
Installation Location 6
AC Adapter 7
Moving the Scanner 7
Handling 8
Disposal 9
When sending the scanner for repairs 9
2. Features of the Scanner 9
3. Names and Functions of Parts 11

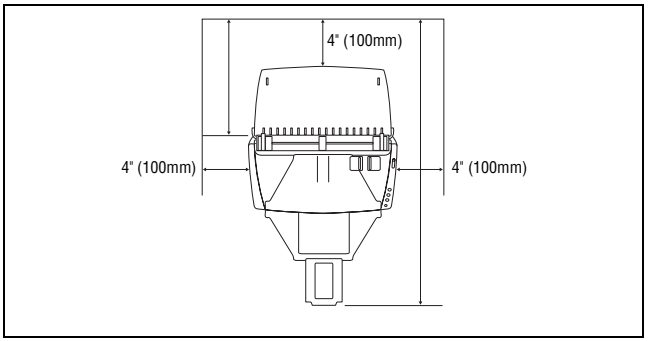
1. Important Safety Instructions

To ensure the safe operation of this scanner, be sure to read the safety warnings and precautions described below.

Installation Location

The performance of this scanner is affected by the environment in which it is installed. Make sure that the location where the scanner is installed meets the following environmental requirements.

- Provide adequate space around the scanner for operation, maintenance, and ventilation.



- Provide adequate space in front of the scanner for documents output after being scanned.
- Avoid installing the machine in direct sunlight. If this is unavoidable, use curtains to shade the scanner.
- Avoid locations where a considerable amount of dust accumulates.
- Avoid warm or humid locations, such as in the vicinity of a water faucet, water heater, or humidifier.
- Avoid locations where ammonia gas is emitted.
- Avoid locations near volatile or flammable materials, such as alcohol or paint thinner.
- Avoid locations that are subject to vibration.

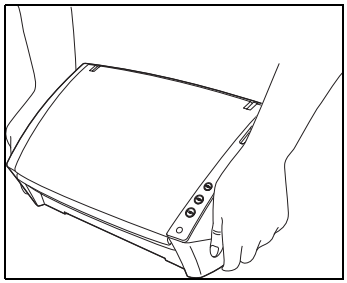
- Avoid exposing the scanner to rapid changes in temperature. If the room in which the scanner is installed is cold but rapidly heated, water droplets (condensation) may form inside the scanner. This may result in a noticeable degradation in scanning quality.
- The following conditions are recommended for optimal scanning quality:
  - Room temperature: 10 °C to 32.5 °C (50 °F to 90.5 °F)
  - Humidity: 20% to 80% RH
- Avoid installing the scanner near equipment that generates a magnetic field (e.g. speakers, televisions, or radios.)

AC Adapter

- Connect only to a power outlet of the rated voltage and power supply frequency (120 V, 60 Hz or 220-240 V, 50/60 Hz depending on your region).
- Do not connect other electrical equipment to the same power outlet to which the scanner is connected. Also, when using an extension cord, make sure that the extension cord is rated for the current requirements of the scanner.
- Never disassemble or modify the AC adapter, as it is dangerous.
- The power cord may become damaged if it is often stepped on or if heavy objects are placed on it. Continued use of a damaged power cord and AC adapter can lead to an accident, such as a fire or electrical shock.
- Do not use the power cord while it is coiled.
- Do not pull directly on the power cord. When disconnecting the power cord, grasp the plug and remove it from the outlet.
- Keep the area around the power cord clear of objects so that the power cord can be disconnected easily in an emergency.
- Do not use an AC adapter other than the one provided with the scanner. Do not use the AC adapter provided with the scanner with other products.
- If you have any questions regarding the power supply, contact your local authorized Canon dealer or service representative for further information.

Moving the Scanner

- When moving the scanner, always hold it with both hands to avoid dropping it. The scanner weighs approximately 5.3 lb (2.4 kg).
- Make sure to disconnect the interface cable and AC adapter before moving the scanner. If the scanner is transported with these items connected, the plugs and connectors may be damaged.



Handling

WARNING

Note the following precautions whenever using the scanner. Failure to do so may result in a fire or electric shock.

- Never use alcohol, benzene, paint thinner, aerosol sprays, or any other highly flammable substance near the scanner.
- Do not cut, damage, or modify the power cord. Do not place heavy objects on the power cord, and do not pull or excessively bend the power cord.
- Never connect the power cord when your hands are wet.
- Do not connect the scanner to a multi plug power strip.
- Do not knot or coil the power cord as this may result in a fire or electric shock. When connecting the power cord, make sure that the power plug is securely and completely inserted into the power outlet.
- Do not use a power cord or AC adapter other than the ones provided with this scanner.
- Do not take the scanner apart or modify it.
- Never try to take the AC adapter apart or modify it in any way, as this is dangerous.
- When cleaning the scanner, turn the power switch OFF and disconnect the power cord from the power supply.
- Clean the scanner using a slightly dampened cloth which has been well wrung out. Never use alcohol, benzene, paint thinner, or any other flammable substances.
- If the scanner makes strange noises, or gives off smoke, heat, or strange odors, or the scanner does not function or other abnormalities occur when you use the machine, immediately turn the power switch OFF, and disconnect the power plug from the power outlet. Then, contact your local authorized Canon dealer or service representative for further information.
- Do not drop the scanner, or subject it to impact or strong shock. Should the scanner ever become damaged, immediately turn the power switch OFF, and disconnect the power plug from the power outlet. Then, contact your local authorized Canon dealer or service representative to have the unit serviced.
- Before moving the scanner, be sure to turn the power switch OFF, and disconnect the power plug from the power outlet

CAUTION

- **Do not install the scanner on a surface that is unstable or tilted, or in an area subject to excessive vibrations, as this may cause the scanner to fall, resulting in personal injury or damage to the scanner.**
- Never place small metal objects such as staples, paper clips, or jewelry on the scanner. These items may fall into the scanner, and cause a fire or electric shock. Should such objects ever fall inside the scanner, immediately turn the power switch OFF, and disconnect the power plug from the power outlet. Then, contact your local authorized Canon dealer or service representative to have the unit serviced.
- Do not install the scanner in a humid or dusty location. Doing so might cause a fire or electric shock.
- Do not place objects on top of the scanner. Such objects may tip or fall over, resulting in personal injury.
- Connect only to a power outlet of the rated voltage and power supply frequency (120 V, 60 Hz or 220-240 V, 50/60 Hz depending on your region).
- When unplugging the power cord, grasp it firmly by its plug. Do not pull directly on the power cord, as this may damage or expose the cord's internal wiring, resulting in a fire or electric shock.
- Leave sufficient space around the power plug so that it can be unplugged easily. If objects are placed around the power plug, you will be unable to unplug it in an emergency.
- Do not allow water or flammable substances (alcohol, paint thinner, benzene, etc.) to spill into the scanner, as this may result in a fire or electric shock.
- Turn OFF the power switch for safety when not using the scanner for a long period of time, such as overnight. Also, turn OFF the power switch, and disconnect the power cord from the power outlet for safety when the machine will not be used for an extended period of time, such as during consecutive holidays.
- Do not wear loose clothing or jewelry that may get caught in the scanner while you are using it. This may result in personal injury. Be extra careful of neckties and long hair. If anything becomes caught in the scanner, immediately disconnect the power cord to stop the scanner.
- Be careful when loading paper into the scanner and when removing jammed paper. It is possible to cut your hand on the edge of a sheet of paper.

Disposal

- When disposing of this scanner, be sure to follow all local ordinances and laws or consult with the retailer who sold you the scanner.

When sending the scanner for repairs

- When a request is made for repairs, the scanner needs to be sent to the specified address. When sending the scanner, use the packing box in which it came. Firmly secure the scanner with packaging material when you place it in the packing box.

2. Features of the Scanner

The main features of the document scanner are described below.

■ **Compact Size**
The dimensions of the scanner are as follows: 11.7" (298 mm)(W) x 9.8" (245 mm)(H) x 19.5" (490 mm)(D) (with the feed tray and eject tray open).
(The size of the scanner with the feed tray and eject tray closed is 11.7" (298 mm)(W) x 6.3" (160 mm)(H) x 6.3" (160 mm)(D)).

■ **Fast Document Feeding**
The DR-2510C/DR-2510M can scan a maximum of 25 documents per minute, and the DR-2010C/DR-2010M can scan a maximum of 20 documents per minute in a range of sizes from business card to LTR/A4 size.
- Scanning conditions: Black and white/color, LTR/A4 portrait orientation one-sided/two-sided, 200 dpi

■ **High Image Quality**
The 600 dpi optical resolution sensor incorporated in the scanner enables documents to be scanned with high image quality.

■ **Eject Tray**
The eject tray enables scanned documents to be stacked. Open the eject tray when scanning documents that are not output smoothly. Scanned documents can be output without opening the eject tray.

■ **USB Link Switch**
The power of the scanner can be linked to be automatically turned ON/OFF in accordance with the power of the computer.

■ **USB 2.0 Interface**
The scanner supports Hi-Speed USB 2.0.

■ **Color/Grayscale Support**
Documents can be scanned in 24-bit color or 256-level grayscale.

■ **Supports a Variety of Scanning Modes**
The scanner supports the following scanning modes, depending on the document type:
- Single-sided or double-sided scanning (with Skip Blank Page function)
- Continuous or single sheet feed

■ **Card Scan**
You can scan business or ID cards.

■ **Paper Size Detection**
The scanner automatically detects the size of a scanned document and eliminates any unnecessary space around the edges of the image when storing the image, even when storing a document of irregular size.

- **Auto Color Detection**
  The scanner detects whether the scanned document is in color or black and white, and saves the image accordingly.
- **Folio Scan**
  You can scan folded documents. The scanner will scan both sides and combine the scanned images into a single image.
- **Deskew**
  The scanner straightens scanned images when it detects that the document was placed askew.
- **Ultrasonic Double Feed Detection (for the DR-2510C/DR-2510M only)**
  Ultrasonic waves are used to detect pages that are fed at the same time as well as the space between pages. Scanning stops if a double feed is detected.
- **Text Enhancement Modes**
  The scanner is equipped with the Advanced Text Enhancement Mode (only for Windows), for enhancing the text of documents with dark or uneven backgrounds, and the Advanced Text Enhancement II mode, for enhancing the text when both the text and background are light.
  These modes may not work, depending on the type of document.
- **Color Drop-out**
  The scanner is equipped with a Color Drop-out function that enables you to specify a color for the scanner to omit from the scanned image. Both sides are scanned, but saving the image is skipped for scan images judged to be from a blank page.
- **Skip Blank Page Function**
  The scanner is equipped with a Skip Blank Page function that enables you to scan a document without storing images of blank pages, regardless of whether each page of the document is two-sided or one-sided.
- **Prescan Function**
  The scanner is equipped with a Prescan function that allows you to adjust the contrast and brightness of a prescanned image and then send the adjusted image to the application software, without needing to scan the document again.
- **Job Function**
  The scanner includes three job buttons for automatically scanning and performing operations (up to ten operations, such as saving, printing, or mailing, can be registered) on the scanned image.
- **Scan First**
  Pressing Job Button starts CaptureOnTouch. You can then perform a scan simply by following the on-screen guidance.
- **Auto Start**
  The scanner is equipped with an auto start function, which enables scanning to be automatically started when a document placed in the feeder is detected.
- **Sleep Mode**
  The scanner is designed to save energy by entering the sleep mode when it is not scanning documents.

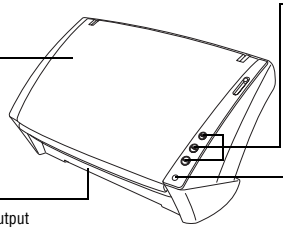
NOTE

Some functions may not be available depending on the software you are using.

3. Names and Functions of Parts

This section describes the name and function of each part. Make sure to read this section and familiarize yourself with the parts of the scanner before using the scanner.

■ Front View/Right-Side View



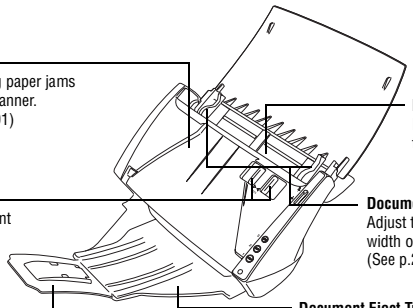
Document Feed Tray
Open to place documents.
(See p.23)

Job Buttons
These buttons can perform user-specified functions assigned with the Capture OnTouch.
(See p.36)

Document Eject Area
Scanned documents are output here.

Power Indicator
This indicator lights green when the scanner is turned ON.

■ Front View (With the Document Feed Tray and Eject Tray Open)



Front Unit
Open when clearing paper jams and cleaning the scanner.
(See p.31 and p.101)

Document Feeder
Place the document to scan here.

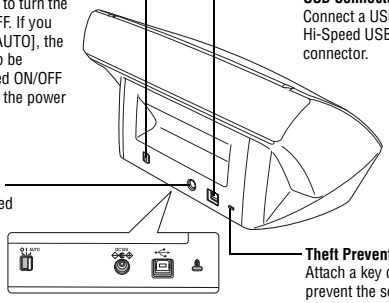
OPEN button
Use to open the front unit.

Document Guides
Adjust these guides to fit the width of the document.
(See p.24)

Document Eject Tray
Open this tray when you want to stack output documents.

Extension Tray
Pull this tray out if the document hangs over the edge of the document eject tray.

■ Back View



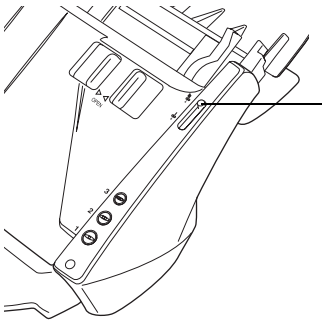
Power Switch
This switch is used to turn the scanner ON and OFF. If you set the switch to [AUTO], the scanner is linked to be automatically turned ON/OFF in accordance with the power of the computer.

USB Connector
Connect a USB cable that supports Hi-Speed USB 2.0 to this connector.

Power Connector
Connect the supplied AC adapter to this connector.

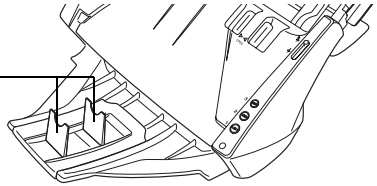
Theft Prevention Hole (Kensington)
Attach a key chain, etc. here to prevent the scanner from being stolen.

■ Feed Selection Lever



Feed Selection Lever
Use this lever to change the way documents are fed. Push it up to feed documents one at a time (page separation mode) (See p.24). Push it down to feed documents that are fastened together, such as invoices, without separating them (bypass mode) (See p.26).

■ Paper Eject Stopper



Paper Eject Stopper
Use the paper eject stopper that corresponds to the length of the documents you want to scan.

Chapter 2 Setup

1. Scanner System Requirements 12
2. Installing the Software 13
Setup Disc 13
Software Installation (Windows) 14
Software Installation (Mac OS X) 16
Connecting the Scanner to the Computer 18
3. Turning the Power ON 19
Scanner Recognition 19

1. Scanner System Requirements

To use the scanner, your computer must satisfy the following system requirements.

System requirements for Windows

- One of the following operating systems:
  - Microsoft Windows 2000 Professional Service Pack 4 or later
  - Microsoft Windows XP Service Pack 3 or later
  - Microsoft Windows XP x64 Edition Service Pack 2 or later
  - Microsoft Windows Vista Service Pack 1 or later
  - Microsoft Windows Vista x64 Edition
- A computer that meets the following specifications:
  - CPU: Pentium 4 (3.2 GHz or faster)
  - Memory: 1 GB or more
  - Hard disk: 1 GB or more available space
  - CD-ROM drive
  - Hi-Speed USB 2.0
  - Monitor: Resolution of 1024 × 768 (XGA) or better recommended.
- An ISIS-compatible application or a TWAIN-compatible application that is compatible with the above operating systems.

System requirements for Mac OS X

- Operating system
  Mac OS X 10.3.9 – 10.5.6
- Supported Macintosh models
  - CPU:Core 2 Duo 2.4GHz or higher
  - Memory: 1GB or higher

IMPORTANT

- **If you do not know the requirements for your computer system, contact the store where you purchased the computer or the manufacturer of the computer for more information.**
- **If you use the scanner with Windows, use the latest USB 2.0 driver made available by Microsoft. For details, consult your local authorized Canon dealer.**
- **Use the USB interface provided as standard with your computer. However, normal operation is not guaranteed with all USB interfaces, even if present as standard equipment on the computer. For details, consult your local authorized Canon dealer.**
- **Scanning speeds are lower if your computer's standard USB interface is USB Full-Speed (equal to USB 1.1.)**
- **The USB cable you are using should be the one originally included with the scanner.**
- **If the CPU, memory, interface card, and other specifications do not satisfy the installation requirements, the scanning speed may be greatly reduced and transmission may take a long time.**
- **Even if the computer satisfies the recommended specifications, the scanning speed may vary, depending on the specified scan settings.**
- **The scanner drivers provided with the scanner do not necessarily operate on all ISIS (only for Windows) or TWAIN-compatible applications. For details, contact your application software retailer.**

2. Installing the Software

This section describes how to install the required software.

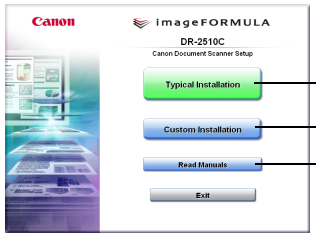
Setup Disc

The following software is included on the Setup disc provided with the scanner.

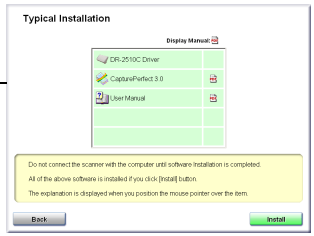
- CaptureOnTouch
  This is a dedicated scanning utility for this product.
- Scanner Driver
  The scanner driver for using the scanner with ISIS-compatible (Windows only) and TWAIN-compatible applications.
- CapturePerfect 3.0 (Windows only)
  An ISIS compatible application developed for use with Canon document scanners.

NOTE

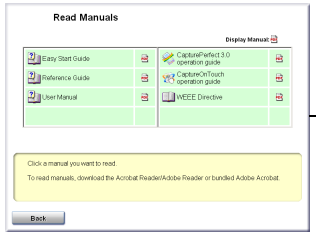
The Setup disc for Windows is configured as follows. Install the software using either [Typical Installation] or [Custom Installation].



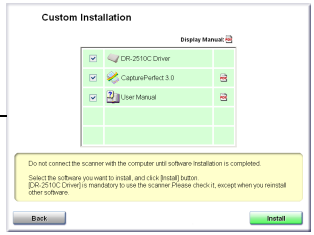
Menu Screen



Typical Installation



Read Manuals



Custom Installation

Software Installation (Windows)

Follow the procedure below to install the software.

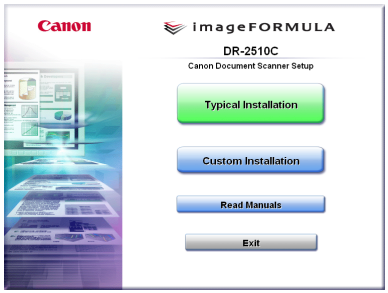
IMPORTANT

- **Install the software before connecting the scanner to the computer.**
- **Log on to Windows as an Administrator.**
- **Close all other applications before installing the software.**

1 Turn the power of the computer ON.

2 Insert the Setup disc into the CD-ROM drive of the computer.

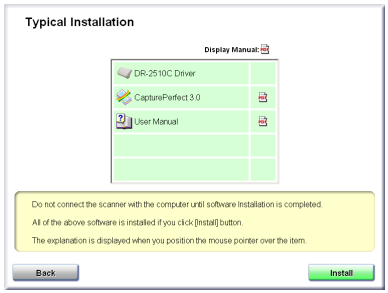
3 Click [Typical Installation].



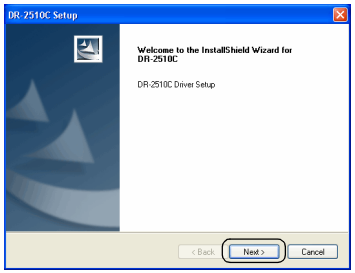
NOTE

When you select [Typical Installation], all of the displayed software and the User Manual will be installed automatically. If you want to reinstall only specific software that you have previously uninstalled, select [Custom Installation] and specify the software.

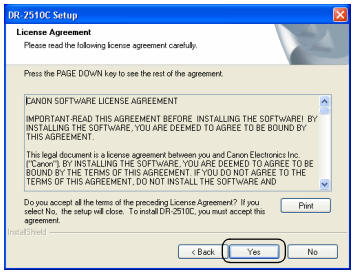
4 Click [Install].



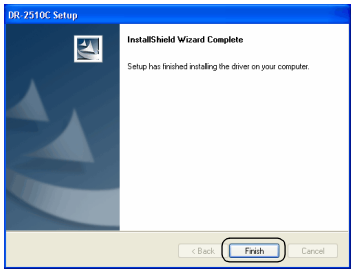
5 Click [Next].



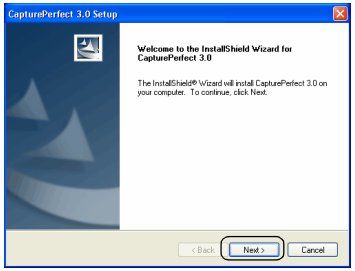
6 Read the license agreement → click [Yes] to accept it.



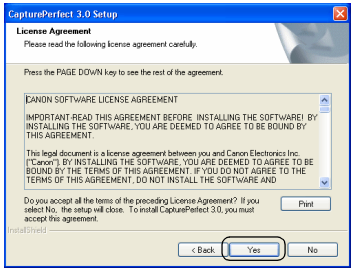
7 When the driver installation is complete, click [Finish].



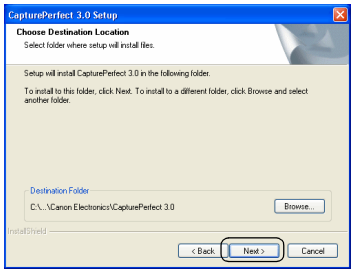
8 Click [Next].



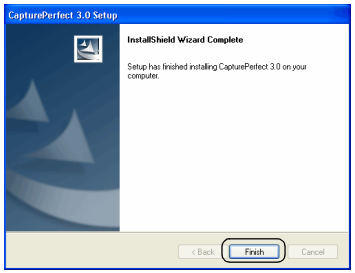
9 Read the license agreement → click [Yes] to accept it.



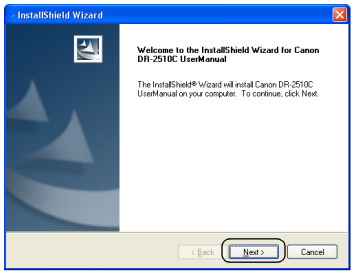
10 Confirm the installation location → click [Next].



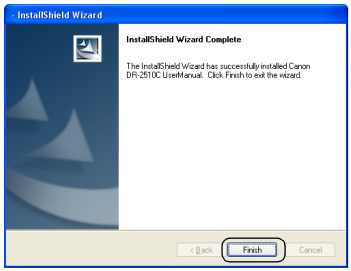
11 When the CapturePerfect 3.0 installation is complete, click [Finish].



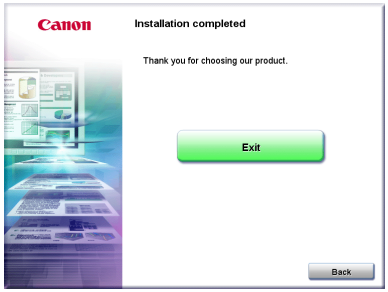
12 Click [Next].



13 When the User Manual installation is complete, click [Finish].



14 Click [Exit] to finish installing the software.



15 Remove the Setup disc from the CD-ROM drive.

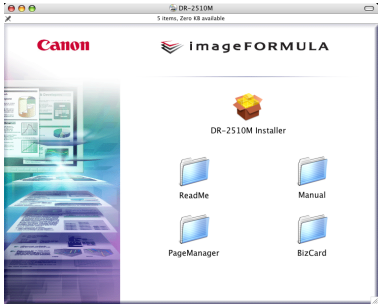
Software Installation (Mac OS X)

Follow the procedure below to install the software.

1 Turn the power of the computer ON.

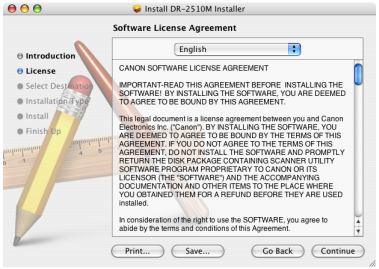
2 Insert the Setup disc into the CD drive.

3 Click [DR-2510M Installer].



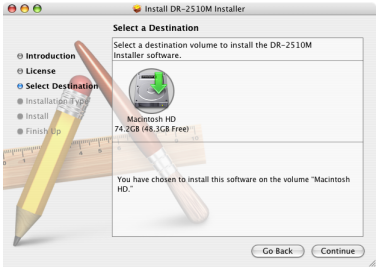
4 Click [Continue].

5 Read the license agreement and click [Continue] to accept it.

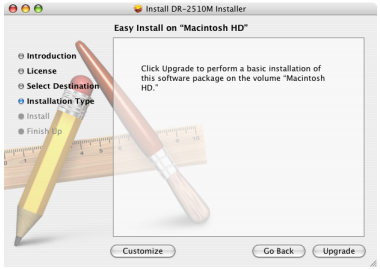


6 Click [Agree].

7 Click [Continue].

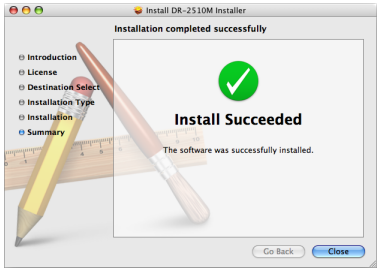


8 Click [Upgrade].



9 When the confirmation screen appears, enter the password of a user with administrator rights, and then click [OK].

10 When the installation is complete, click [Close].



Third-Party Software

The following software is included on the Setup disc. For details on operating the software, refer to the Help for each software.

- Presto! BizCard
  Business card management software from NewSoft Technology Corp.
  Run the following installer from the Setup disc to install.
  BizCard/BCRInstaller

- Presto! PageManager
  Photo and document management software from NewSoft Technology Corp.
  Run the following installer from the Setup disc to install.
  PageManager/PM8Installer

* Presto! BizCard is a registered trademark of NewSoft Technology Corp.

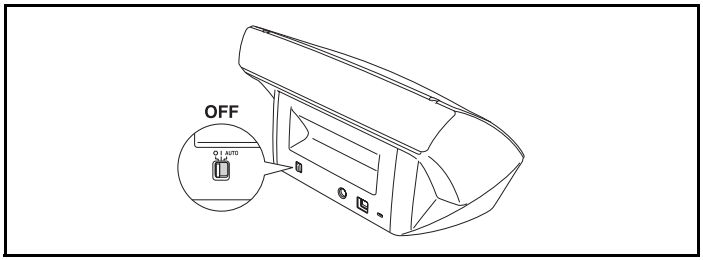
Connecting the Scanner to the Computer

Connect the scanner to the computer.

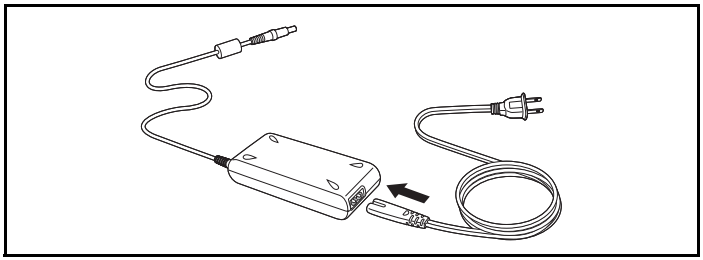
IMPORTANT

- **Before connecting the scanner to the computer, verify that the power switch of the scanner is OFF. If the power switch is in the ON position, push the switch to set it to OFF.**
- **The shapes of the power plug and power cord differ depending on the country and region.**

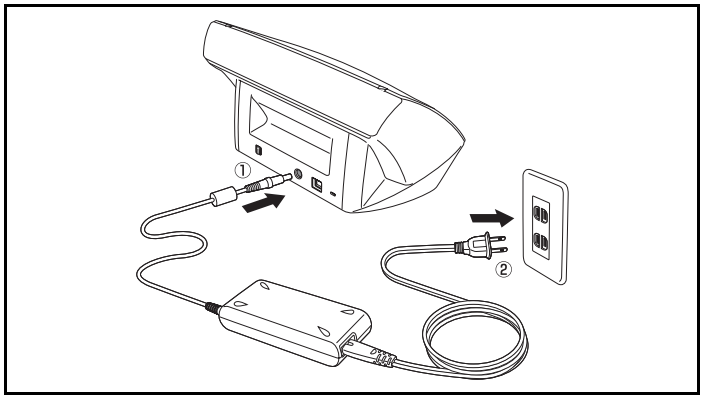
1 Verify that the power switch of the scanner is OFF (O side).



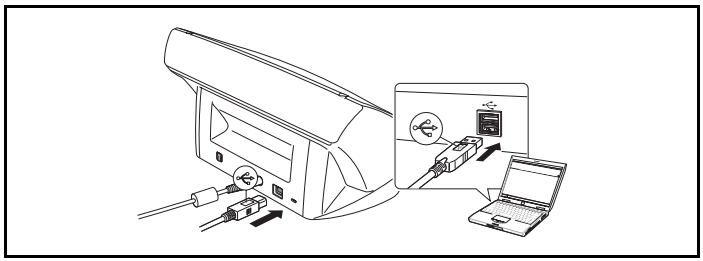
2 Connect the power cord to the AC adapter.



3 Connect the plug of the AC adapter to the power connector on the back of the scanner.



4 Use the supplied USB cable to connect the scanner to the computer.



3. Turning the Power ON

When you turn the computer and the scanner ON for the first time, the Plug and Play function of Windows recognizes the scanner and automatically installs the required device driver.

IMPORTANT

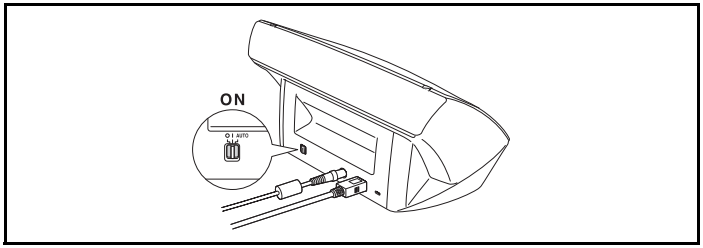
- **If you turn the power OFF, wait at least 10 seconds before turning it ON again.**
- **If you will not be using the scanner for an extended period, you should disconnect the power cord from the AC outlet for safety.**

Scanner Recognition

The scanner will be recognized the first time it is connected to the computer.

1 Make sure that the scanner and computer are connected properly.

2 Press the power switch on the back of the scanner to turn the scanner ON (I side).

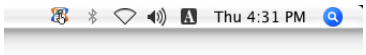


3 The scanner is automatically recognized as new hardware.
In Windows, a balloon message such as shown below appears on the task bar. Simply wait a while, until the scanner is recognized automatically.

When the scanner is properly connected to the computer, the (CaptureOnTouch) icon appears on the taskbar (or menu bar) as follows.

Windows taskbar

Mac OS X menu bar



If the taskbar icon appears as , the scanner is not properly connected to the computer. Check the status of the power switch and USB cable.

NOTE

If you set the power switch on the back of the scanner to [AUTO], the scanner is linked to be automatically turned ON/OFF in accordance with the power of the computer.

Chapter 3 Basic Operation

1. Documents 21
2. Preparing the Scanner 23
Preparing the Document Feed Tray 23
Preparing the Document Eject Tray 23
Preparing the Document Stopper 23
3. Placing Documents 24
Feeding in the Page Separation Mode 24
Feeding in the Bypass Mode 26
Placing Cards 26
Placing Folded Documents 27
4. Scanning Methods 28
5. Practical Examples 29
Before using Adobe Acrobat 9.0 30
6. Clearing a Paper Jam 31
7. Other Functions 32
Setting the Long Document Mode 32

1. Documents

The scanner can scan documents ranging in size from business cards and checks to LTR/A4. The document sizes that this scanner can scan are shown below.

Plain Paper

Size

Width: 1.97" to 8.5" (50 mm to 216 mm)

Length: 2.12" to 14.02" (53.9 mm to 356mm)*

Paper weight: (Page separation mode)

14 to 32 lb bond (52 to 128 g/m^2) 0.0024" to 0.0059" (0.06 mm to 0.15 mm)

Paper weight: (Bypass mode)

11 to 42 lb bond (40 to 157 g/m^2) 0.002" to 0.0079" (0.05 mm to 0.20 mm)

* You can scan documents up to 39.2" (1000 mm) long by setting the scanner to the Long Document mode. (See "Setting the Long Document Mode," on p. 32.)

IMPORTANT

A document must meet the following criteria to be scannable:

- **When scanning multiple documents of different sizes, place the documents so that they cover the entire span of the feed rollers.**
- **It is recommended that documents exceeding LTR, 11.69" (A4, 297 mm) size are fed one sheet at a time.**
- **Scanning documents before the ink is dry can cause problems with the scanner. Always make sure that the ink on a document is dry before scanning it.**
- **Scanning documents that are written in pencil or similar material may make the rollers and scanning glass dirty, which can lead to smudges on the scanned image and transfer the dirt to subsequent documents. Always clean the internal parts of the scanner after scanning such documents.**
- **When scanning a two-sided document that is printed on thin paper, the image on the opposite side of each page may show through. In this case, adjust the scanning intensity in the application software before scanning the document.**
- **It is recommended that thin documents are fed one sheet at a time.**
- **Scanning the following types of documents can cause a paper jam or malfunction. To scan such a document, make a photocopy of the document and then scan the photocopy.**

Wrinkled or creased documents

Curled documents

Torn documents

Documents with paper clips or staples

Carbon paper

Coated paper

Extremely thin, translucent paper

Business Card

Size: 1.97"x 2.12" (50 mm x 53.9 mm) or larger
Paper weight: 140 lb bond (300g/m^2) 0.0138" (0.35 mm) or less

IMPORTANT

If a stack of business cards cannot be fed properly, reduce the number of cards in the stack.

Card

Size: 2.12" x 3.37" (53.9 mm x 85.5 mm) (ISO/JIS standard)
Card thickness: 0.03" (0.76 mm) or less
Orientation: Horizontal feeding only
Embossed cards can be scanned.

CAUTION

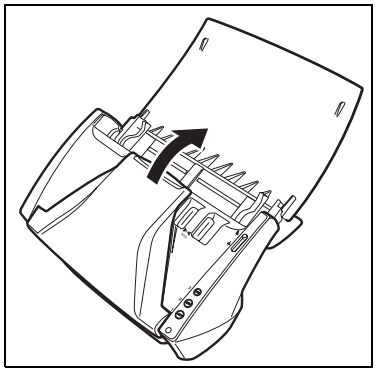
- **If you place cards to be fed vertically, they may not be ejected properly, and cards that get jammed may be damaged when you remove them. Take care of the orientation when placing cards.**
- **Embossed cards may not be able to be scanned correctly, depending on the type of embossment.**

2. Preparing the Scanner

Prepare the document feed tray according to the paper size and type.

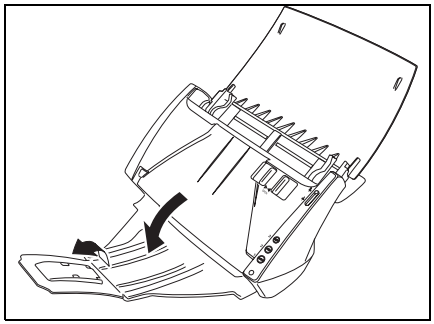
Preparing the Document Feed Tray

Open the document feed tray.



Preparing the Document Eject Tray

Open the document eject tray.

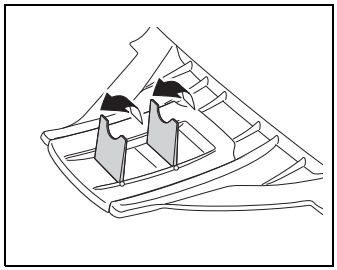


NOTE

- Documents can be scanned with the document eject tray closed.
- Open the document eject tray when you want to stack output documents.
- Use the extension tray when the document hangs over the edge of the main tray.

Preparing the Document Stopper

Use the document stopper that corresponds with the length of the document you want to scan.

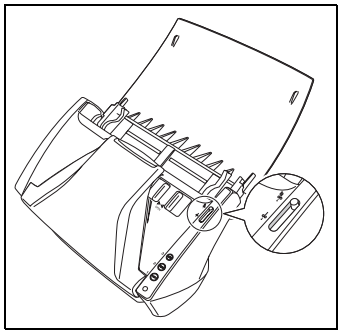


3. Placing Documents

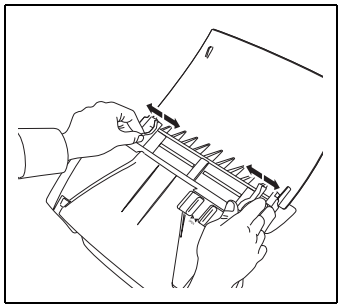
There are two methods for feeding documents, the Page Separation mode and Bypass mode. Feeding pages continuously from a stack of documents placed in the feed tray is called the Page Separation mode. Feeding documents one sheet at a time or feeding documents consisting of multiple pages that are attached, is called the bypass mode.
The document feed method can be changed by moving the feed selection lever.

Feeding in the Page Separation Mode

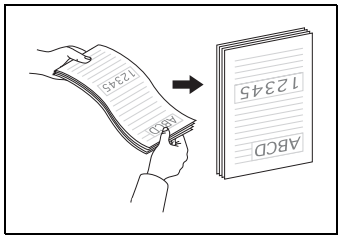
1 Switch the feed selection lever to (Page Separation).



2 Adjust the document guides to fit the width of the document to be scanned.



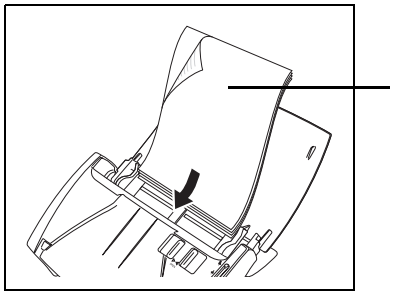
3 Fan the pages of the document to be scanned, and shift them so that the top of the first page (the bottom of the front of the document) is the lowest. (Place the document so that the top of the document is facing down.)



CAUTION

When placing documents into the feed tray, take care not to cut your hands on the edges of the paper.

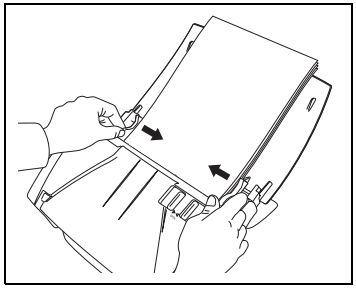
4 Place the document with the reverse side facing you, and the top of the document facing down.



IMPORTANT

There is a load limit mark (▼) on the document guides. Do not stack documents higher than this mark (approximately 50 sheets of 20 lb bond (80 g/m^2) paper.) Doing so may cause a paper jam.

5 Adjust the document guides to fit the width of the document.



NOTE

Before scanning, make sure that the document is not curled or creased, and that it is placed in the feed tray correctly. Scanning an improperly placed, curled, or creased document may damage the document or cause a paper jam.

6 Use the application software to start scanning.

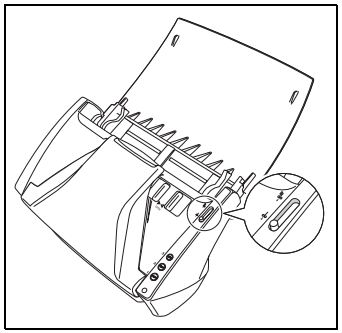
IMPORTANT

- **Before you place a document, check to make sure it does not contain paper clips, staples, or other small metal objects. These items may cause a fire or electrical shock, damage the document, or cause a paper jam or scanner malfunction.**
- **Do not wear loose clothing or jewelry that may get caught in the scanner while you are using it. This may result in personal injury. Be extra careful of neckties and long hair. If anything gets caught in the scanner, immediately turn OFF the power switch, and disconnect the power cord from the power outlet to stop scanning.**
- **Always smooth out any folds or curls in your documents before placing them into the feeder. If the leading edge of a document is curled, it may cause a paper jam.**
- **If feeding stops due to a system error or paper jam while the scanner is scanning, resolve the problem, make sure that the scanned image of the last page that was successfully fed has been stored, and then resume scanning the remaining document pages.**
- **After you finish scanning, close the document feed tray and the document eject tray to prevent damage to the scanner while it is not being used.**

Feeding in the Bypass Mode

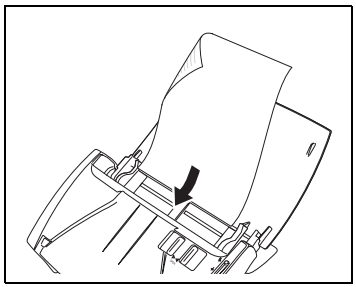
When scanning multiple page documents that are fastened together, such as invoices, place the documents so that the edge that is fastened together is facing down.

1 Switch the feed selection lever to ⏚ (Bypass).



2 Adjust the document guides to fit the width of the document to be scanned (See p.24).

3 Place the document with the reverse side facing you, and the top of the document facing down (See p.24).



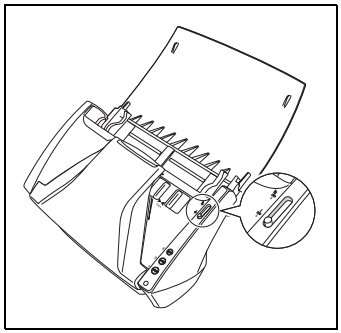
4 Use the application software to start scanning.

IMPORTANT

After you finish scanning, close the document feed tray and the document eject tray to prevent damage to the scanner while it is not being used.

Placing Cards

1 Switch the feed selection lever to ⏚ (Bypass).

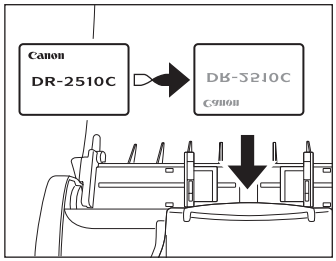


CAUTION

- **When scanning cards, make sure to set the feed selection lever to ⏚ (Bypass).**
- **The maximum number of cards that can be scanned at a time is three.**

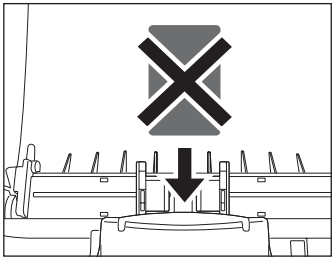
2 Adjust the document guides to fit the width of the card to be scanned (See p.24).

3 Place the card horizontally, with the reverse side facing you, and the top of the card facing down.



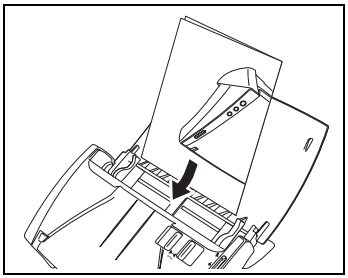
CAUTION

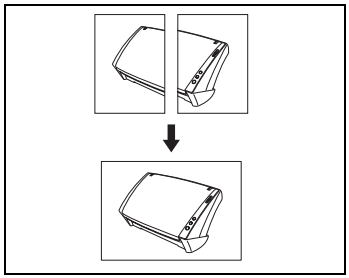
If you place cards to be fed vertically, they may not be ejected properly, and cards that get jammed may be damaged when you remove them. Take care of the orientation when placing cards.



Placing Folded Documents

Folio Scan enables you to scan documents that are larger than LTR/A4 and therefore do not fit in the feeder. (The maximum size is 11" X 17"/A3.) To use the function, fold the document in half lengthwise and place it into the feeder. The DR-2010C/DR-2510C will scan both sides and combine the scanned images into a single image.





IMPORTANT

- **When folding the document, align the right and left sides and create a sharp, straight fold. Otherwise the document may jam or the image may not be aligned properly.**
- **The fold line itself will not be scanned. Keep this in mind if there is content such as photos, diagrams, or text that spans the fold.**
- **For Folio scanning, only the Bypass mode can be used. Place documents one at a time.**
- **Adjust the document guides to fit the width of the document. Otherwise, the image may scan as skewed or shifted.**

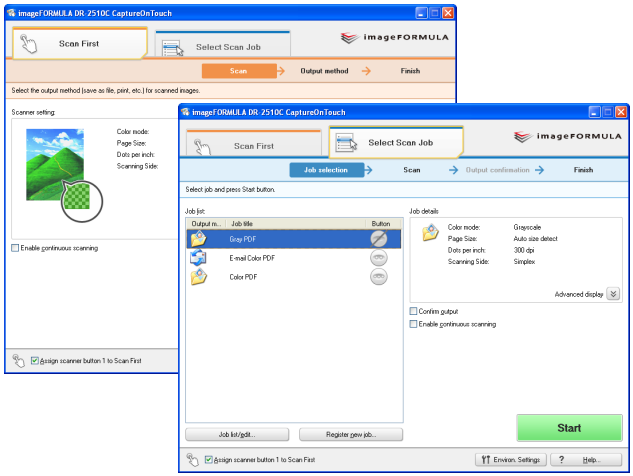
NOTE

- When scanning folded documents, switch the feed selection lever to ⏚ (Bypass).
- When placing folded documents, place the document into the scanner so that the fold is on the right side. The side of the folded document facing you will become the right side of the combined image.
- When scanning a folded document, set [Scanning Side] on the scanner driver settings screen to [Folio]. (See "Scanning Side Settings" on page 69.)
- The maximum size for the combined image is A3. When scanning a folded document of a size other than the standard formats, set [Page Size] on the scanner driver settings screen to [Auto-detection]. (See "Paper Size Settings" on page 67.)

4. Scanning Methods

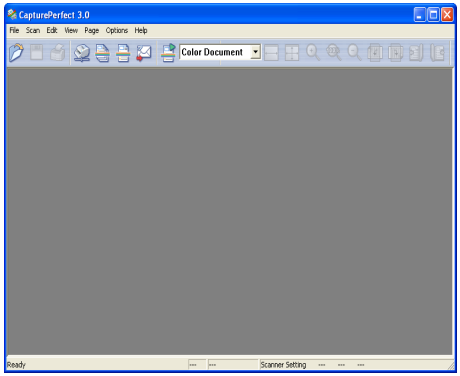
The product comes with the following software applications. These applications have to be installed from the supplied Setup disc.

- CaptureOnTouch
  This is a scanning software application that makes it easy to perform scanning simply by following the on-screen guidance. Assigning scan functions to the job buttons of the unit is also done with this software.



For details on CaptureOnTouch, refer to "Chapter 4 CaptureOnTouch Settings".

- CapturePerfect 3.0 (Windows only)
  This is scanning application for advanced users. It offers a variety of scanning methods and functions for editing the scanned image.



  For details on CapturePerfect 3.0, refer to "Scanning With CapturePerfect 3.0" below. Also refer to "CapturePerfect 3.0 Operation Guide" in the electronic manual.

- Scanner driver
  This is the scanner driver required for using the unit. When scanning with ISIS compatible applications (Windows only) or TWAIN compatible applications, the scanner driver will be called up as required for making various scan settings. For details, refer to "Chapter 6 Scanner Driver Settings".

Before starting to use the unit, you must install the software from the Setup disc. For details on installation, see the "Reference Guide" or "Chapter 2 Setup".

5. Practical Examples

This section provides examples of settings when scanning. Refer to these examples when specifying ISIS/TWAIN driver settings. For descriptions of particular setting items, see "Chapter 6 Scanner Driver Settings," on p. 60.

Scanning Both Sides of Pages

- **To scan both sides of pages**
  Set [Scanning Side] to [Duplex].

Scanning Non-Standard Size Documents

- **To scan irregular size documents**
  To scan a document of a size other than the standard formats, set [Page Size] to [Auto-detection].The document size will then be detected automatically.

- **To register an irregular page size for scanning documents**
  A document size other than the standard formats can be registered with the [Custom] option.
  (See "Adjusting the Scan Area," on p. 73.)

- **To scan only part of the document page**
  You can specify the scanning area. However, when [Paper Size] is set to [Auto-detect], the scanning area cannot be specified.
  (See "Adjusting the Scan Area," on p. 73.)

Scanning Multiple Batches as One Document

- **To scan a document that has too many pages to be loaded all at once as separate batches**
  Set [Feeding Option] to [Automatic Feeding]. When this option is selected, the scanner detects documents and starts scanning as they are loaded, so continuous scanning is possible by loading the document batches repeatedly. If [Feeding Option] is set to [Panel-Feeding], and the document has been set, scanning will not start until the start button on the scanner is pressed. This is useful if you want to straighten documents after you have placed them in the scanner.

- **To create separate files for each batch of documents during continuous scanning**
  Select the [Feeding Option] by clicking [Automatic Feeding] or [Panel-Feeding] and set [Batch separation] to [Auto].This function is available only under Windows when the scanner driver was called from an ISIS compatible application.

- **To scan a batch of documents one page at a time**
  Set [Feeding Option] to [Automatic Feeding] or [Panel-Feeding] and scan each document separately. After one document has been scanned, the operation steps are as follows.
  - If [Feeding Option] is set to [Automatic Feeding], load the next document. The scanner will detect the document and scan it automatically.
  - If [Feeding Option] is set to [Panel-Feeding], load the document and then press the scan button.

Prescan

- **To confirm images before scanning**
  Select the [Prescan] check box. The [Prescan] dialog box is displayed when scanning starts.
  (See "Prescan," on p. 91.)

Registering Settings

- **Registering Your Settings**
  Register a name for your settings in the user preferences. When you want to recall your settings later, select the name of your registered user preferences, and they will be reflected in the dialog boxes.
  (See "Registering Scanning Conditions," on p. 93.)

  By using the Job Function or the Job Scan function of CapturePerfect 3.0, you can register scanning conditions and methods for processing scanned image files as jobs, and scan by selecting a job.

Before using Adobe Acrobat 9.0

There are two methods for scanning a document from the scanner using the Adobe Acrobat 9.0 included with the provided Setup Disc for DR-2510C/DR-2010C. One method is Presets (Black & White Document, Grayscale Document, Color Document or Color Image), in which the scanning parameters are set beforehand, and the other method is Custom Scan, which allows you to select the parameters used for scanning. The Custom Scan method also provides the option of either showing or hiding the scanner's Native Interface (the scanner's own settings screen) while scanning.
If you use Adobe Acrobat 9.0 with this scanner and scan using the Custom Scan method, you should display the scanner's Native Interface for the following reasons.

- If you make scans without showing the Native Interface, it may not be possible to scan correctly at the specified Paper Size.
- If you use Presets to scan without showing the Native Interface, it may not be possible to scan correctly at the specified Paper Size.

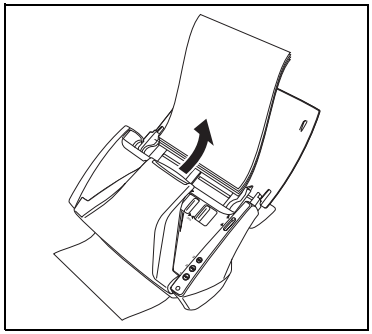
6. Clearing a Paper Jam

When paper jams occur during scanning, use the following procedure to clear them.

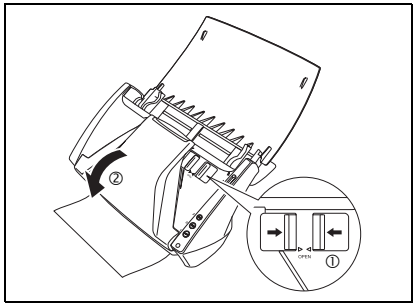
CAUTION

When removing jammed paper, take care not to cut your hands on the edges of the paper.

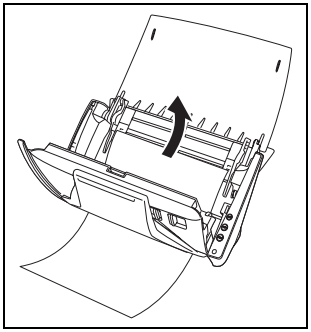
1 Remove any documents that have been left in the eject tray.

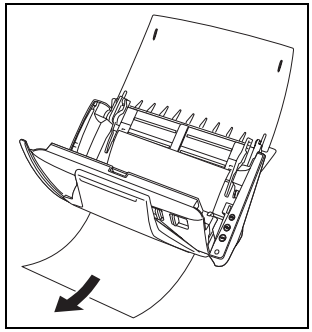


2 Press the OPEN knob from both sides (①), and pull the front unit out and downward to open it (②).



3 Remove the jammed document from the document feeding side or document ejecting side.

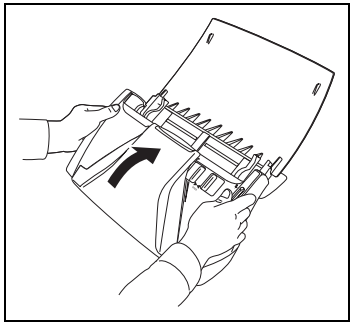




IMPORTANT

Make sure to pull the document out carefully, without applying too much force. If the jammed paper tears while you are pulling it out, make sure to remove any remaining pieces from inside the scanner.

4 Close the front unit by gently pushing it up on both sides until clicks into place. Make sure that the front unit is completely closed by pushing until you hear a click.



NOTE

- After removing the jammed paper, check to see if the last page was scanned correctly, and then continue scanning.
- If a paper jam occurs when [Rapid recovery system] is enabled in the scanner driver setting screen, the image data of the document is not saved and operation is interrupted. This allows you to continue scanning from the document that caused the paper jam after the paper jam is fixed.

7. Other Functions

Setting the Long Document Mode

The length of documents that can be scanned with the scanner is normally 14.02" (356 mm), but you can scan documents up to 39.2" (1000 mm) long by setting the scanner to the Long Document mode.

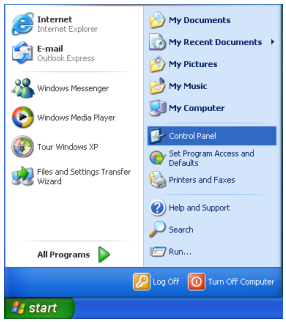
IMPORTANT

By selecting the Long Document mode and setting the [Paper Size] on the scanner driver settings screen to [Auto-detection], documents of up to 39.2" (1,000 mm) in length can be scanned. Note the following when using the Long Document mode:

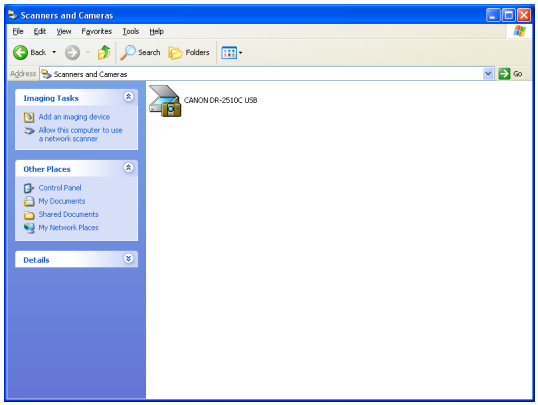
- **When scanning in the Long Document mode, if the document is placed on the scanner in a skewed position, it may hit the edges of the feeding area and be damaged. Be careful to place the document so that it is not skewed.**
- **When scanning with the Long Document mode, paper jam detection may react slowly, resulting in damage to the document. Be careful to avoid paper jams.**
- **When scanning long documents, make sure to set the feed selection lever to ⏚ (Bypass), and scan the documents one at a time.**

Setting procedure under Windows

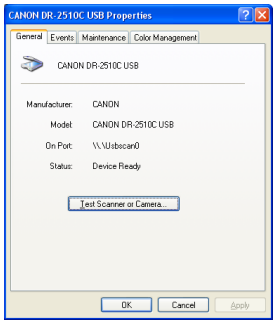
1 Click the [Start] button → [Control Panel].



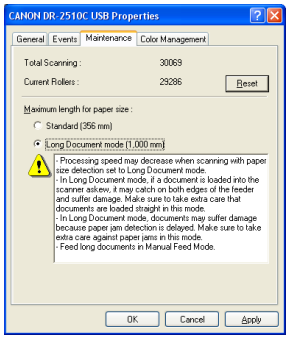
2 Double-click [Scanners and Cameras].



3 Right-click [CANON DR-2010C USB] or [CANON DR-2510C USB] → click [Properties].



4 Click the [Maintenance] tab → [Long Document Mode (1,000 mm)].



5 Click [Apply] → [OK].

6 Turn the scanner OFF and then ON again.

Setting procedure under Mac OS X

1 Start Image Capture.
To start Image Capture, click the hard disk icon (e.g. [Macintosh HD]), the [Applications] folder, and then the [Image Capture] icon.

2 Click [Browse Devices] in the [Devices] menu.

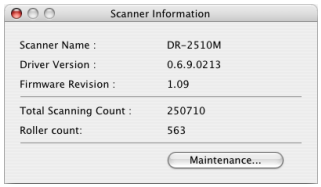
3 Select the scanner you want to use, and select the [Use TWAIN software] check box.

4 Click [OK].

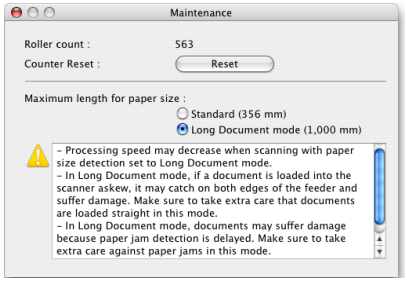
5 Click [DR-2510M TWAIN] in the [Devices] menu.

6 Click [Scan].
The settings screen for the scanner driver appears.

7 Click the (information) button.
The [Scanner Information] dialog box appears.



8 Click [Maintenance].
The [Maintenance] dialog box appears.



9 Click [Long document (1000mm)].

10 Click to close the dialog box.

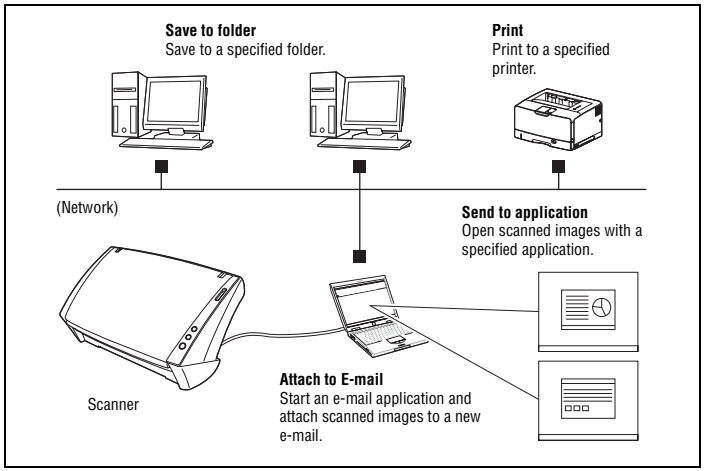
Chapter 4 CaptureOnTouch Settings

1. What is CaptureOnTouch? 35
2. Starting CaptureOnTouch 36
Quitting CaptureOnTouch 37
Restarting CaptureOnTouch 37
3. Scanner Settings 37
Basic Scanner Settings 38
4. Output Method Settings 39
5. Scan First 40
6. Select Scan Job 42
Registering/Editing Jobs 42
Selecting Scan Jobs 44
7. Scanning with the Job Buttons 46
8. Environmental Settings 46
[Basic settings] Tab 47
[E-mail settings] Tab 47

Please note that although the procedures and screens used in this chapter are those used in the Windows version of CaptureOnTouch, operations for the Mac OS X version are the same.
Mac OS X operations are described for operations that differ between versions, such as starting and quitting the application.

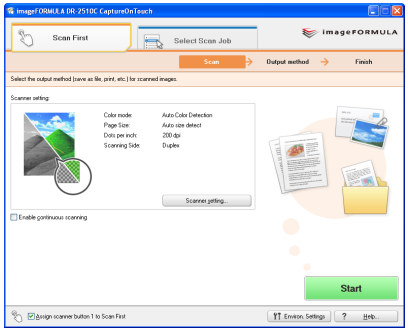
1. What is CaptureOnTouch?

CaptureOnTouch is a scanning application that allows you to scan documents using easy-to-follow on-screen instructions.



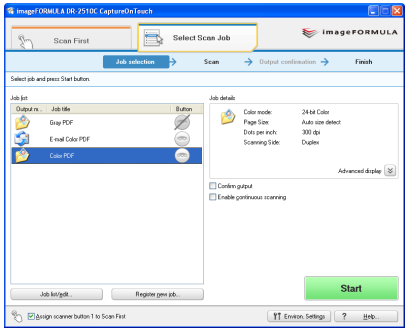
CaptureOnTouch provides multiple scanning methods for you to select based on your intended purpose.

Scan First



This method allows you to select an output method after a document is scanned, and then configure the necessary settings.

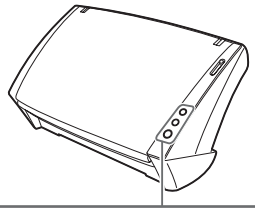
Select Scan Job



This method allows you to register scanning conditions and output methods as jobs, and then select a job that matches your intended purpose to begin scanning. This is useful for repeating specific scanning operations multiple times.

Scanning with the Job Buttons

[Scan First] and [Select Scan Job] are pre-assigned to the three job buttons on the scanner, and you can start scanning by pressing one of these buttons after loading your document.



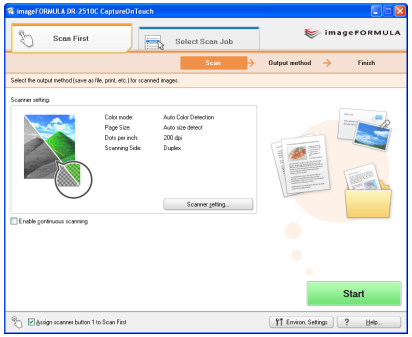
Job button

	Select Scan Job (Windows: Color PDF, Mac OS X: Color JPEG iPhoto)
	Select Scan Job (E-mail Color PDF)
	Scan First

2. Starting CaptureOnTouch

CaptureOnTouch resides on your system when you start your computer, and a CaptureOnTouch icon appears on the taskbar (menu bar in Mac OS X) (default).

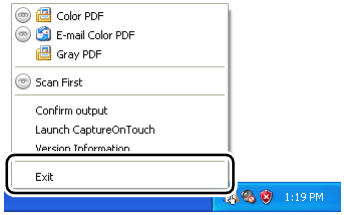
When you click (CaptureOnTouch) on the taskbar (menu bar in Mac OS X) and click [Launch CaptureOnTouch] in the menu that appears, the CaptureOnTouch main screen appears.



In Windows, you can also start from the Windows Start menu. Click [Start], point to [All Programs], point to [Canon DR-2510C] (or [Canon DR-2010C]), and then click [CaptureOnTouch].

Quitting CaptureOnTouch

Click (CaptureOnTouch) on the taskbar (menu bar in Mac OS X), and click [Exit] in the menu.



The application no longer resides on the system, and the taskbar (menu bar in Mac OS X) icon disappears.

NOTE

If you end CaptureOnTouch on Mac OS X, scanning cannot be started by pressing a job button (See p.46). In such a case, start CaptureOnTouch again.

Restarting CaptureOnTouch

Press any job button on the scanner to restart CaptureOnTouch. CaptureOnTouch starts and the main screen appears.

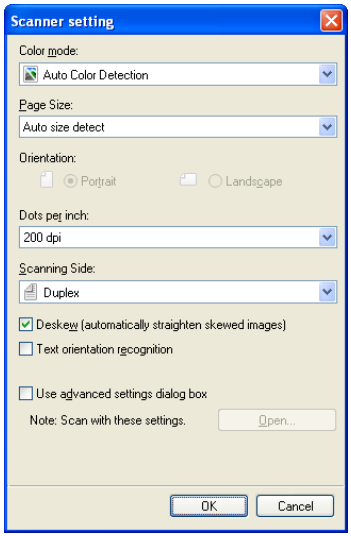
NOTE

- CaptureOnTouch resides on the system when it starts, and the CaptureOnTouch icon appears on the taskbar (menu bar).
- In Windows, you can also restart from the Windows Start menu. Click [Start], point to [Programs] (or [All Programs]), point to [Canon DR-2510C] (or [Canon DR-2010C]), and then click [CaptureOnTouch].

3. Scanner Settings

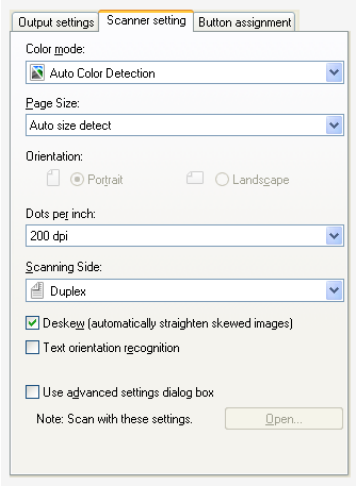
Configure various scan settings such as the scanning method and document size (collectively referred to as “scanner settings”).
[Scan First] and [Select Scan Job] share the same scanner setting items.

For [Scan First]



When using [Scan First], you configure scanner settings before scanning begins.

For [Select Scan Job]



When using [Select Scan Job], you configure scanner settings for each job.

IMPORTANT

- **Scanner settings include the basic settings found in the [Scanner setting] dialog box (or [Scanner setting] tab) and the advanced settings found in the driver settings screen. Setting configurations from the driver settings screen are used for all settings not found in the basic settings.**
- **For details on setting items, refer to the Help.**

Basic Scanner Settings

Configure the basic setting items for the scanner.
Configurations from the driver settings screen are used for setting items that are not included in the basic setting items.

■ **[Color mode]**
Select from the following modes for scanning documents.
[Auto Color Detection]
Automatically detects whether a document is color or black and white, and scans.
[24-bit Color]
Scans the document in color.
[Grayscale]
Scans the document in grayscale.
[Black and White]
Scans the documents in black and white (binary).

■ **[Page Size]**
Specify the page size of documents.
When [Auto size detect] is specified, the scanner detects the page size of the document, and the image is saved in the detected size.

■ **[Orientation]**
Specify the orientation in which documents are fed into the scanner (vertical or horizontal).
This setting can only be configured when a page size that can be fed horizontally through the scanner is selected for [Page Size]. The driver settings are used for the density threshold at which blank pages are skipped.

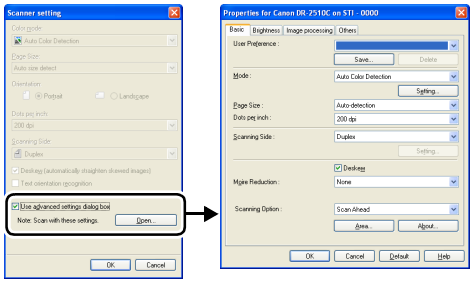
■ **[Dots per inch]**
Specify the scanning resolution.

■ **[Scanning Side]**
Specify whether to scan only one side of a document or both sides.
If you select [Skip blank page] and a blank page is detected within the document while scanning, the blank page will be skipped.

■ **[Deskew]**
When a document is scanned at an angle, the slant is detected and straightened in the scanned image.

■ **[Text orientation recognition]**
The orientation of text in scanned images is detected, and the images are rotated to match the orientation of the text.

■ **[Use advanced settings dialog box]**
Scanner settings other than the basic settings are configured in the driver settings screen. To open the driver settings screen, select the [Use advanced settings dialog box] check box and click the [Open] button.



For details on setting items, refer to the Help in the driver settings screen.

The basic setting items found in the driver settings screen are the same as those in the [Scanner setting] dialog box, but the configurations for each setting are stored separately. The setting configurations that are used during scanning are determined by the [Use advanced settings dialog box] check box setting as follows.

[Use advanced settings dialog box] setting	Basic setting items	Other setting items
Clear	Configurations from the [Scanner setting] dialog box are used.	Configurations from the driver settings screen are used.
Selected	Configurations from the driver settings screen are used.	

4. Output Method Settings

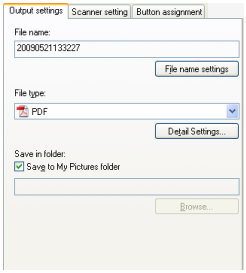
CaptureOnTouch provides four output methods for processing scanned images. [Scan First] and [Select Scan Job] share the same output method settings.

For [Scan First]
When using [Scan First], select an output method in the [Output method] screen that appears after scanning, and then configure the settings for the selected method.

For [Select Scan Job]
When using [Select Scan Job], configure an output method for each job.

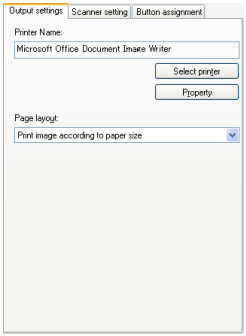
The output settings that appear differ depending on the output method selected.

[Save to folder]



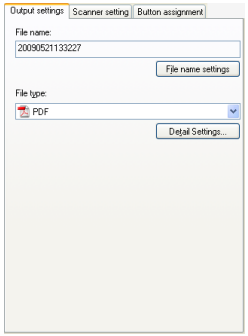
Save scanned images to a specified folder. When this method is selected, you must configure settings for the image file to be saved.

[Attach to E-mail]



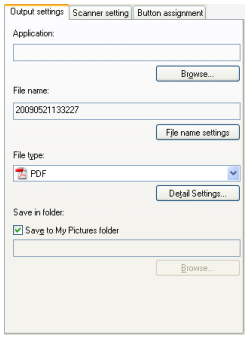
Start an e-mail application and attach scanned images to a new e-mail. When this method is selected, you must configure settings for the image file to be attached.
To use this function, you must specify the e-mail application that you want to use as the default application for your operating system. The following are examples of typical applications that are supported.
Windows: Windows Mail and Outlook Express (both OS standard applications), MAPI-compatible (Microsoft Messaging Application Programming Interface) e-mail applications
Mac OS X: Mail (OS standard application), Microsoft Entourage 2004 for Mac

[[Print]



Print scanned images to a specified printer. When this method is selected, you must specify the printer to which images will be printed.

[Send to application]



Open scanned images with a specified application. When this method is selected, you must click the [Browse] button and specify the executable file for an application that can open the image file. In addition, configure settings for the image file to be saved.

When Using PaperPort (only for Windows)

- The PaperPort application supplied with this unit uses the [Documents] folder by default. When sending the image file to PaperPort and specifying the save destination, be sure to specify the [Documents] folder or a folder within the [Documents] folder. Specifying any other folder may result in an error.
- If you want to specify a folder other than the [Documents] folder, use [Folder Manager] in PaperPort to register that folder beforehand.
- In Windows Vista, the documents folder and pictures folder are located on the same level in the folder hierarchy. As a result, be sure to register the pictures folder using [Folder Manager] in PaperPort if you want to specify that folder.

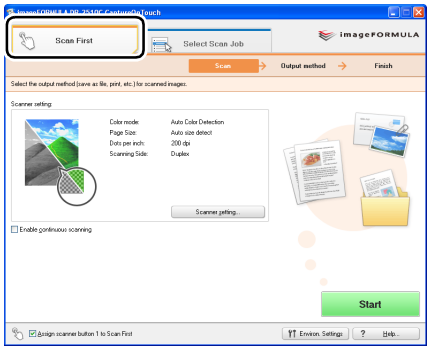
5. Scan First

Operation Flow

Scan document
▼
Select output method
▼
Configure output settings
▼
Output scanned images

1 Place the document in the scanner.

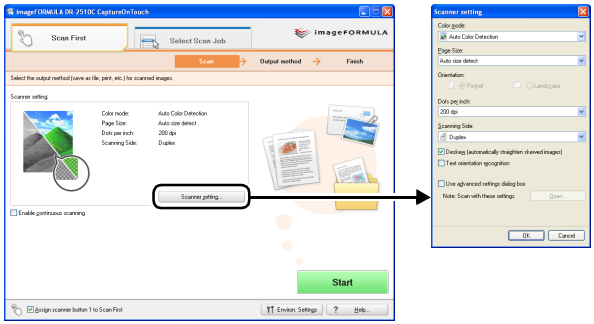
2 Click the [Scan First] tab.



The main screen for [Scan First] appears.

3

Click [Scanner setting] to display the [Scanner setting] dialog box, and configure the scanner settings.



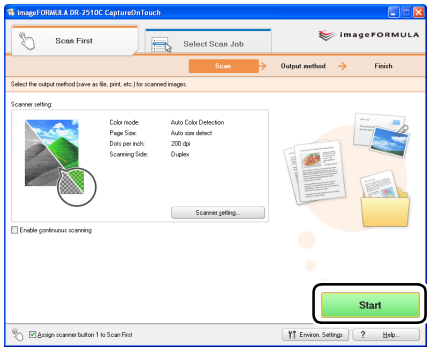
For details on scanner setting items, refer to the Help.
When you are finished configuring, click the [OK] button to close the [Scanner setting] dialog box.

NOTE

To scan multiple documents as a single image file or scan several documents in batches, select the [Enable continuous scanning] check box.

4

Click the [Start] button.



The document is scanned. While scanning is in progress, the number of pages scanned is displayed in addition to the scanner settings.

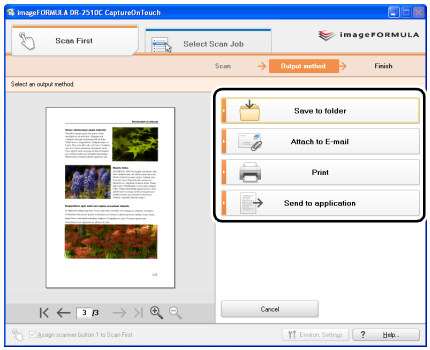
When scanning is finished, the [Output method] screen appears in the main window.

NOTE

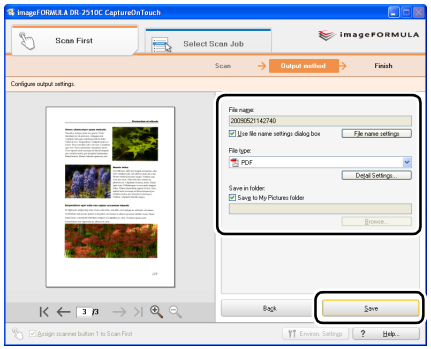
If the [Enable continuous scanning] check box was selected, a message asking whether to continue scanning another document appears when the initial scan is finished. Load the next document into the scanner, and click the [Continue scanning] button. Click the [Continue to next step] button to go the [Output method] screen.

5

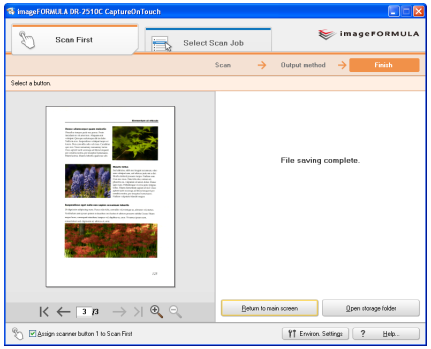
Specify the output method.



6 Configure settings for the output method, and click the output button to output the scanned images.



The name of the output button differs depending on the selected output method. If you select [Save to folder] for the output method, for example, the output button appears as [Save].
The completion screen appears after the scanned images are output. This completes [Scan First] scanning.



NOTE

- Click [Return to main screen] to return to the main screen of [Scan First].
- If [Save to folder] is selected for the output method and you click [Open storage folder], the folder in which the scanned image files are stored will open.

6. Select Scan Job

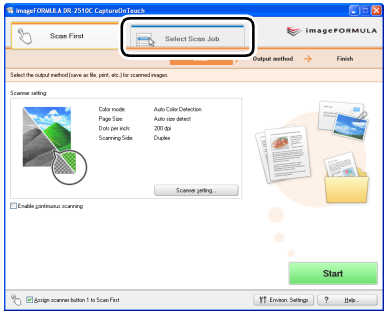
Operation Flow

Register jobs
▼
Select job
▼
Scan document
▼
Output scanned images

Registering/Editing Jobs

In CaptureOnTouch, you can register up to 10 jobs for use with [Select Scan Job].

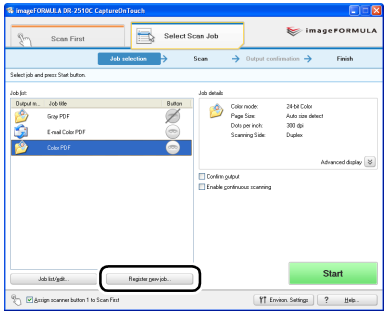
1 Click the [Select Scan Job] tab.



The main screen for [Select Scan Job] appears.

2

Click the [Register new job] button.



The [Register new job] dialog box appears.

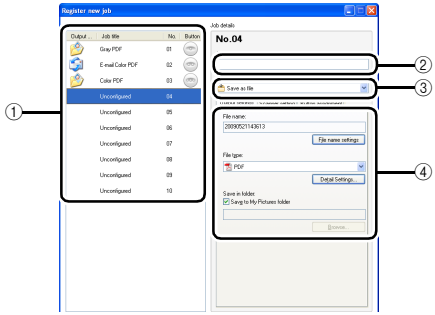
NOTE

If you select a registered job and click [Job list/edit], the [Job editing] dialog box appears allowing you to edit the settings of the selected job.

3

Configure the job settings.

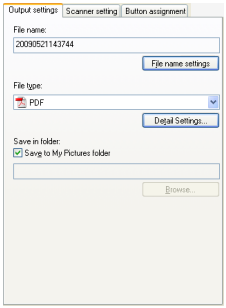
① Select an [Unconfigured] job number from the job list. If you select a job that is already registered, the title bar display changes to [Job editing].
② Enter the job name.
③ Specify the output method.
④ Configure the job settings.



Job settings are configured in the following three tabs.

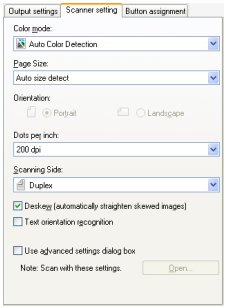
[Output settings] tab

Configure settings for the output method. The items that appear in this tab differ depending on the [Output method] selected.



[Scanner setting] tab

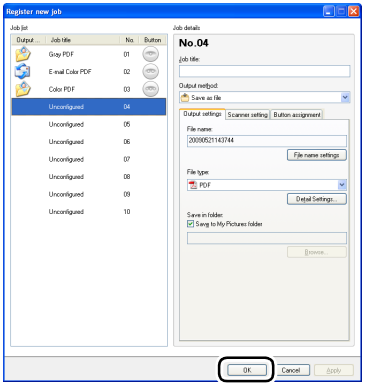
Configure scan conditions.



[Button assignment] tab

Configure settings to assign the job to a job button on the scanner. If [Assign scanner button 1 to Scan First] is selected in the main screen, assignment to job button 1 is not available.

4 Click the [OK] button.



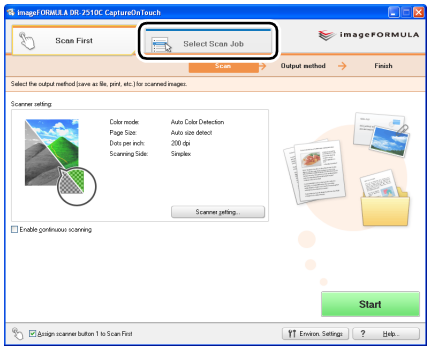
The job is registered according to the configured settings and appears in the job list.

To confirm the settings of a registered job or to change the settings, click the [Job list/edit] button.

Selecting Scan Jobs

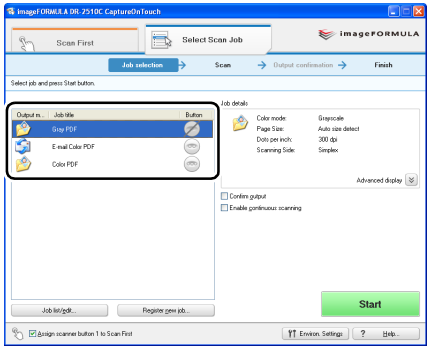
1 Place the document in the scanner.

2 Click the [Select Scan Job] tab.



The main screen for [Select Scan Job] appears.

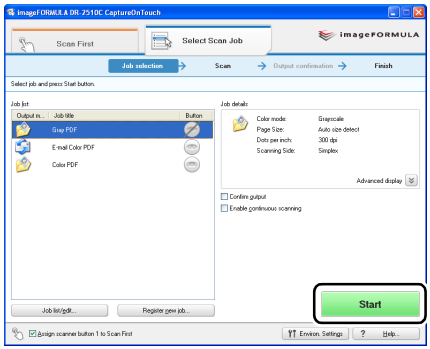
3 Click a job in the [Job list].



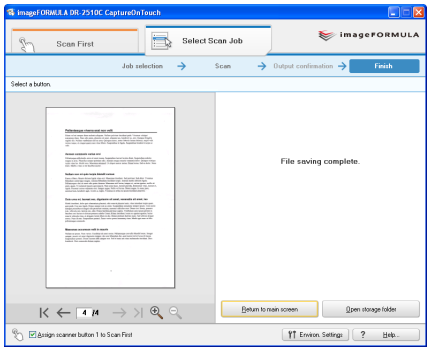
NOTE

- If the [Confirm output] check box is selected, you can confirm output settings after scanning.
- If the [Enable continuous scanning] check box is selected, you can continue scanning after all the pages of a document are scanned.

4 Click the [Start] button.



The document is scanned. While scanning is in progress, the number of pages scanned is displayed in addition to the scanner settings.
When all the pages of the document are scanned, the scanned images are output according to the registered job settings, and the completion screen appears.



NOTE

- Click [Return to main screen] to return to the main screen of [Select Scan Job].
- If [Save to folder] is selected for the output method and you click [Open storage folder], the folder in which the scanned image files are stored will open.

If the [Enable continuous scanning] check box was selected

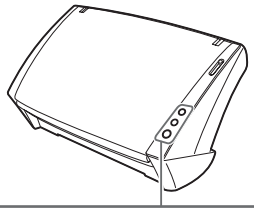
When all the pages of a document are scanned, the confirmation screen to continue appears. If you want to continue scanning another document, load the document into the scanner and click the [Continue scanning] button. If you are finished scanning documents, click the [Continue to next step] button.

If the [Confirm output] check box was selected

The output confirmation screen appears before the scanned images are output. Change output method settings as necessary, and click the output button. The name of the output button differs depending on the selected output method.

7. Scanning with the Job Buttons

Under default settings, [Scan First] and [Select Scan Job] are pre-assigned to the three job buttons on the scanner.



Job button

	Select Scan Job (Windows: Color PDF, Mac OS X: Color JPEG iPhoto)
	Select Scan Job (E-mail Color PDF)
	Scan First

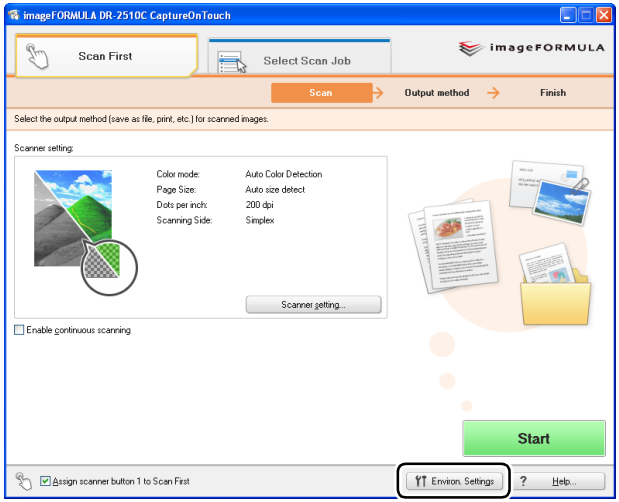
When you load a document in the scanner and press a job button, CaptureOnTouch launches and scanning begins.

NOTE

- If the [Assign scanner button 1 to Scan First] check box is disabled in the main screen, [Gray PDF] is assigned to job button 1 under default settings.
- When you start [Select Scan Job] using a job button, the document is scanned according to the settings for the assigned job, and the scanned image is output. CaptureOnTouch closes automatically 5 seconds after output processing is finished.

8. Environmental Settings

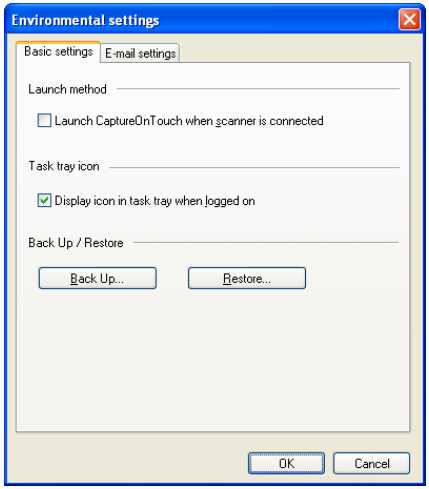
To configure environmental settings for CaptureOnTouch, click the [Environ. Settings] button in the main screen and open the [Environmental settings] dialog box.



The [Environmental settings] dialog box is composed of the [Basic settings] tab and [E-mail settings] tab.
The following sections describe the settings on each tab.

[Basic settings] Tab

The [Basic settings] tab allows you to configure the following settings.



[Launch method]

When the [Launch CaptureOnTouch when scanner is connected] check box is selected, CaptureOnTouch will start when Windows detects that the scanner is connected.

[Task tray icon]

When the [Display icon in task tray when logged on] check box is cleared, (CaptureOnTouch icon) will not appear on the taskbar.

[Back Up] / [Restore]

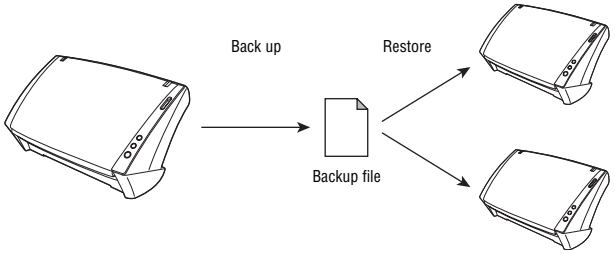
Use the [Back Up] button or [Restore] button to create backup files for CaptureOnTouch configurations (including settings, registered jobs, etc.), or restore configurations from previously backed up data.

[Back Up] button

Creates a backup file (*.reg) of CaptureOnTouch configuration data.You can retain the initial settings of CaptureOnTouch by performing backup before you begin using CaptureOnTouch.

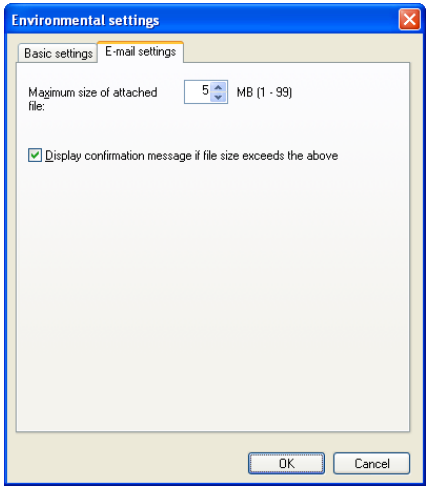
[Restore] button

Restore configurations from previously backed up registry files.
When using multiple scanners, you can back up the environmental settings on one scanner, and restore those settings on another scanner to copy the settings.



[E-mail settings] Tab

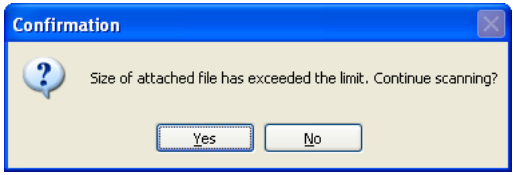
The [E-mail settings] tab allows you to set the size limit for image files that can be attached to e-mails.



[Maximum size of attached file]

If the [Display confirmation message if file size exceeds the above] check box is selected and an attached file exceeds the size limit, a confirmation message will appear.

- When using [Scan First], the confirmation message will appear after the entire document is scanned.
- When using [Select Scan Job], the confirmation message will appear if the file size exceeds the set limit during scanning.



Chapter 5 Other Scanning Methods

1. Scanning with CapturePerfect 3.0 49
2. Basic Scanning Procedure 50
3. Using the Scan Panel 55
4. Special Scanning 56

1. Scanning with CapturePerfect 3.0

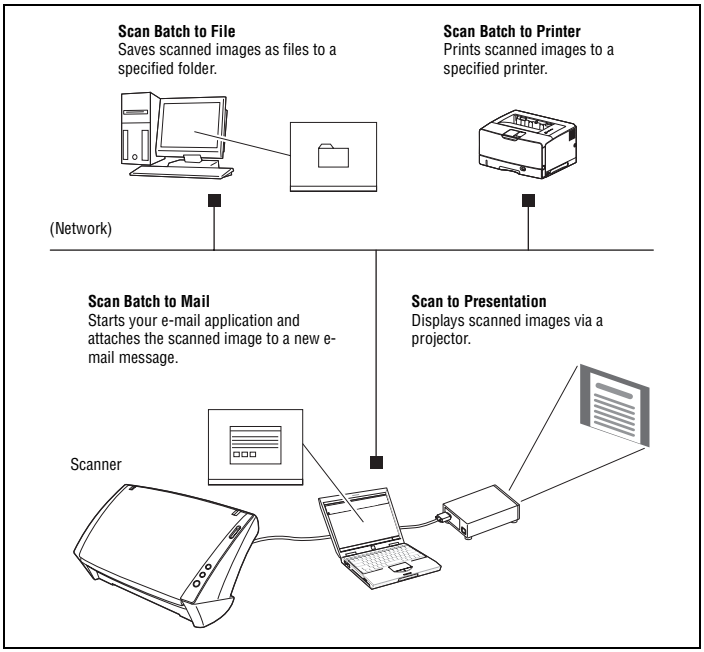
CapturePerfect 3.0 is an ISIS-compliant application developed for Canon document scanners. For more information on CapturePerfect 3.0, refer to the CapturePerfect 3.0 Operation Guide.

NOTE

CapturePerfect 3.0 is a Windows-only application.

Scanning with CapturePerfect

The following scanning methods are available for selection from the [Scan] menu in CapturePerfect 3.0.



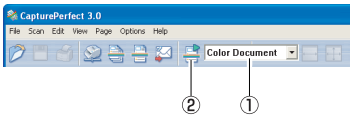
Scan Batch to File
Documents are scanned with preset scanning conditions, and the scanned image data is saved to a specified folder.

Scan Batch to Printer
Documents are scanned with preset scanning conditions, and the scanned image data is printed to a specified printer.

Scan Batch to Mail
Documents are scanned with preset scanning conditions, and a MAPI-compliant e-mail client is started to generate a new e-mail message with the scanned images as attachments.

Scan Page
Only one page of the document is scanned.

Scan Job
The scanning conditions and scan mode (Scan Batch to File, Scan Batch to Printer, or Scan Batch to Mail) are registered in advance as a job. The scan job can then be executed by selecting the registered job from the drop-down list (①), and then clicking (Scan Job) on the toolbar (②).



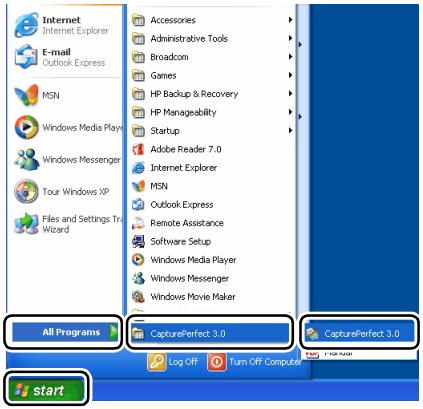
A total of 99 jobs can be registered, including the following two preregistered scan jobs:

- Color Document
  Scans the document in 24-bit color, simplex mode, and 300 dpi resolution, and saves the image as a PDF file in the [My Pictures] folder.
- Binary Document
  Scans the document in black-and-white, simplex mode, and 200 dpi resolution, and saves the image as a PDF file in the [My Pictures] folder.

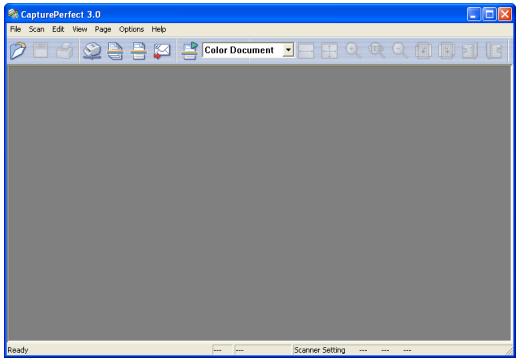
2. Basic Scanning Procedure

This section describes how to start CapturePerfect 3.0, select the scanner, and scan documents.
The Scan Batch to File function is used here as an example.
For details, see the *CapturePerfect 3.0 Operation Guide* and CapturePerfect Online Help.

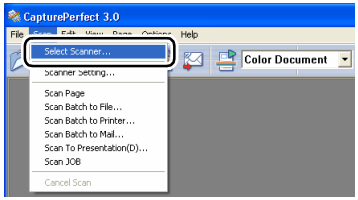
1 From the Windows task bar, click [Start] → point to [All Programs] → [CapturePerfect 3.0] → click [CapturePerfect 3.0].



CapturePerfect 3.0 starts.

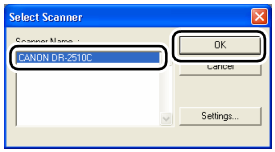


2 From the [Scan] menu, select [Select Scanner].



The [Select Scanner] dialog box appears.

3 Select your scanner name → click [OK].

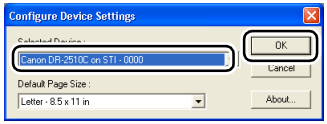


The [Configure Device Setlings] dialog box appears.

NOTE

If your scanner name is not displayed in the list of scanners, re-install the scanner driver (See "Installing the Software," on p. 13.).

4 Select the default page size from the drop-down list.

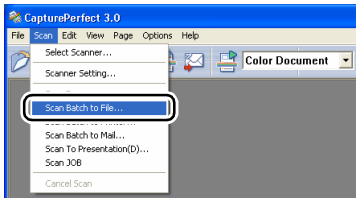


NOTE

Clicking [Default] in the properties dialog box for the ISIS driver causes the setting configured here to be applied.

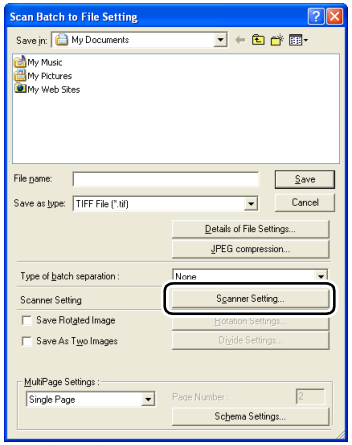
5 Click [OK] to finish Scanner Selection.

6 From the [Scan] menu, select [Scan Batch to File].

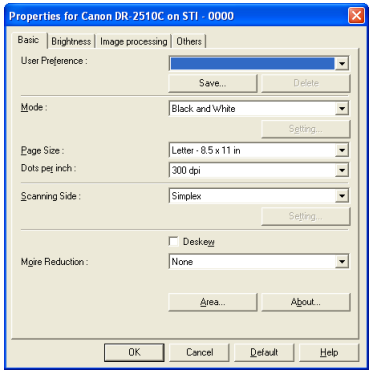


The [Scan Batch to File Setting] dialog box appears.

7 Click [Scanner Setting], and configure the scanner settings.



The properties dialog box for the scanner driver appears.



8 Configure the scanning conditions.

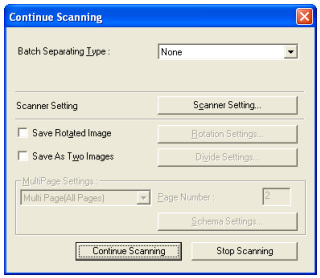
9 Specify the file name and format for the image file to be saved.
For details on other settings in the [Scan Batch to File Setting] dialog box, see the CapturePerfect 3.0 Operation Guide.

10 Place the documents into the scanner, and click [Save] to start scanning.

IMPORTANT

Depending on the [Feeding Option] setting of the scanner driver, place your documents as follows:

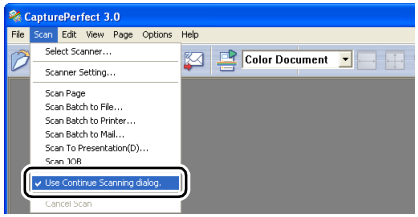
- **When [Feeding Option] is set to [Standard Feeding]**
  When you start a scanning procedure with CapturePerfect, the document placed in the scanner is fed and scanned. When the entire document is scanned, the [Continue Scanning] dialog box appears. When scanning with this feeding option, make sure to place documents in the scanner before starting the scan procedure.
- **When [Feeding Option] is set to [Panel Feeding]**
  When you start a scanning procedure with CapturePerfect, scanning will not begin until you operate the Scan Panel. Place the document in the scanner, and operate the Scan Panel (See p.?) to feed the document and begin scanning. If you stop a scanning procedure in progress from the Scan Panel, the [Continue Scanning] dialog box appears.
- **When [Feeding Option] is set to [Automatic Feeding]**
  Documents are fed whenever the sensor in the document feed tray detects documents. When you start a scanning procedure with CapturePerfect and a document is placed in the scanner, scanning begins. When the entire document is scanned, the scanner enters standby and automatically begins feeding when the next document is placed. When you are finished scanning and stop the scanning procedure from the Scan Panel, the [Continue Scanning] dialog box appears.



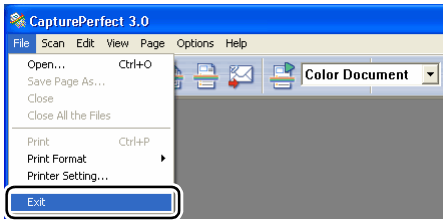
11 When the [Continue Scanning] dialog box appears, check whether a document is placed, and click [Continue Scanning] or [Stop Scanning].

NOTE

If [Use Continue Scanning dialog] is not selected in the [Scan] menu, scanning finishes without displaying the [Continue Scanning] dialog box.



12 When scanning is complete, select [Exit] from the [File] menu to quit CapturePerfect.



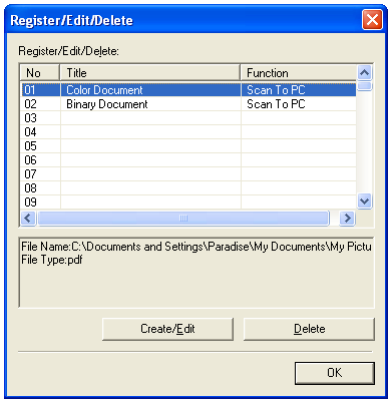
Registering Scan Jobs and Scanning

You can register the scanning conditions and scan mode in advance as a job with CapturePerfect. By selecting [Scan Job] from the [Scan] menu, you can specify these registered jobs and perform scanning.

Registering Scan Jobs

Perform the following to register jobs.

1 Select [Job] from the [Edit] menu.
The [Register/Edit/Delete] dialog box appears.

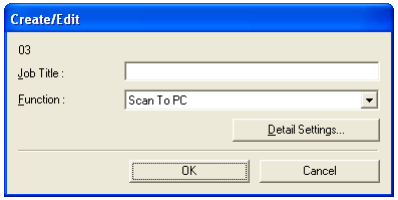


NOTE

The following jobs are already registered to job numbers 01 and 02.

Job Number	Job Title	Job Type
01	Color Document	ScanToPC
02	Binary Document	ScanToPC

2 Select a job number to register ([No.]), and click [Create/Edit].
The [Create/Edit] dialog box appears.

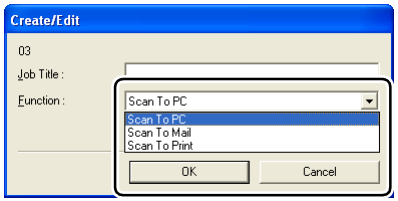


3 Enter the job title.

NOTE

Job titles may consist of up to 64 alphanumeric characters.

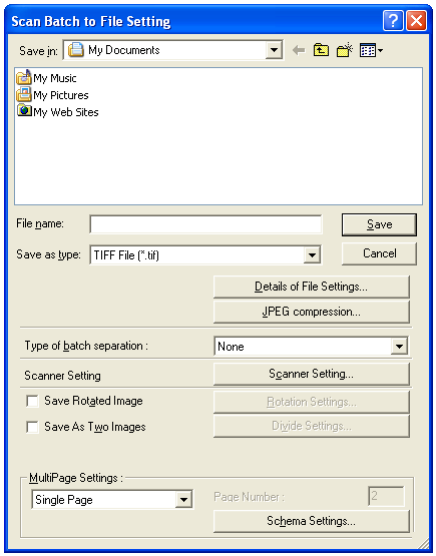
4 Specify a function in the [Function] list box.



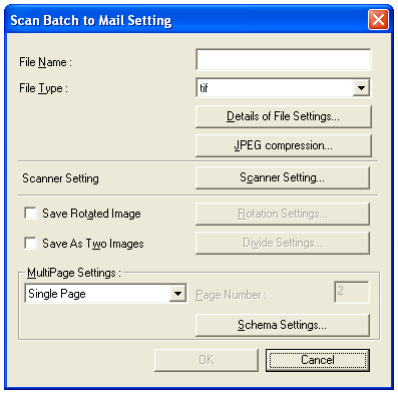
[Scan To PC]:
Saves scanned images to a specified computer.

[Scan To Mail]:
Attaches scanned images to an e-mail message and sends it.
[Scan To Print]:
Prints scanned images to a specified printer.

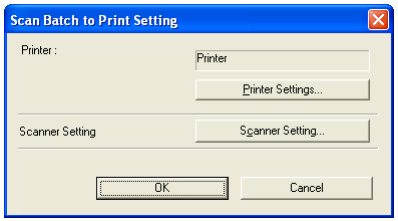
5 Click [Detail Settings].
A settings dialog box based on the specified function appears.
[Scan To PC]:
Specify the file name, format, and destination for the image file to be saved.



[Scan To Mail]:
Specify the file name and format for the image file to be attached to the e-mail message.



[Scan To Print]:
Specify the printer to which images will be printed.



NOTE

The [Details of File Settings] and [JPEG compression] buttons appear in the [Scan Batch to File Setting] and [Scan Batch to Mail Setting] dialog boxes. These buttons are enabled when [Save as type] is set to a format other than [BMP File (*.bmp)], and you can use them to configure file format settings for each job.

6 Click [OK] ([Save] for [Scan To PC]) to close the settings dialog box.
The registered settings appear in the [Register/Edit/Delete] dialog box.

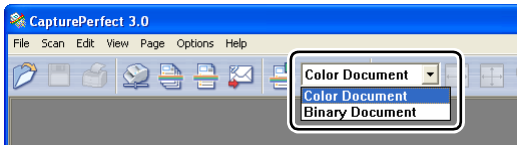
7 Click [OK] to close the [Register/Edit/Delete] dialog box.

NOTE

- You can register up to 99 jobs.
- To edit the settings of a registered job, select the job and click [Create/Edit].
- To delete a registered job, select the job to delete and click [Delete].

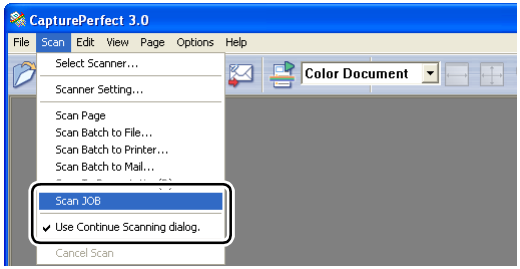
Executing Scan Jobs

1 Select a job title from the list box in the job registration toolbar.



2 Place the documents into the scanner.
For details on placing documents, see "Placing Documents"' on p. 24.

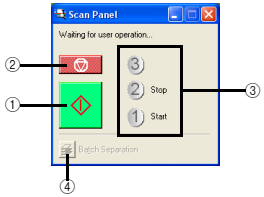
3 Select [Scan Job] from the [Scan] menu.

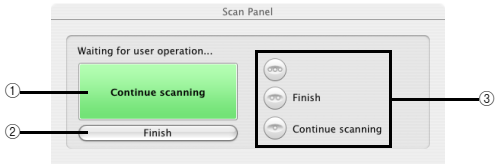


Scanning begins according to the registered job settings.

3. Using the Scan Panel

If Feeding Option in the scan settings is set to [Panel-Feeding] or [Automatic Feeding], the Scan Panel will appear when you start scanning.





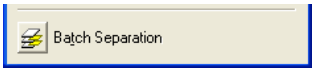
The Scan Panel has the following functions.

①Start button (Continue scanning)
If Feeding Option is set to [Panel-Feeding], clicking this button starts scanning.

②Stop button (Finish)
Stops scanning.

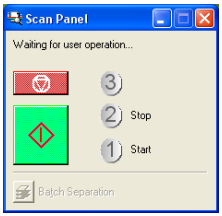
③Job display
When the Start and Stop functions are assigned to the job buttons, [Start] ([Continue scanning]) and [Stop] ([Finish] button) are shown here.
If nothing is shown on the job display, the Start and Stop functions are not assigned to the job buttons. In this case, you should use the Start and Stop buttons on the Scan Panel.

④Batch separation button (Only for Windows)
After selecting [Panel] as the batch separation setting on the [Others] tab, if you enable batch separation from the application and start scanning, this button becomes active when scanning of the current document completes, and scanning stops. When clicked, this button depresses and remains depressed while scanning with batch separation continues, until scanning of the current document completes, and scanning stops. The button then returns to normal.



NOTE

When you open the scanner driver in Windows, the Scan Panel icon appears on the taskbar. You can open the Scan Panel by double-clicking the icon.



4. Special Scanning

This section describes examples of settings that can be specified when scanning with the scanner. For more information, see Chapter 6, "Scanner Driver Settings," or the Online Help.

Enhancing the Text of a Document

You can set the scanning conditions to enhance the text of documents with dark backgrounds or documents with a light uniform background and low-contrast text. Set [Mode] on the scanner driver settings screen to [Advanced Text Enhancement] (only for Windows) or [Advanced Text Enhancement II].
For more information on setting the scanning conditions, see Chapter 6, "Scanner Driver Settings - Scan Mode Settings."

Document to Scan

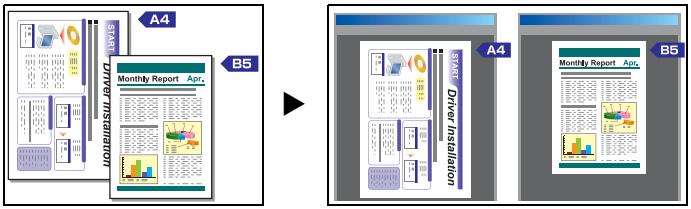
Text Enhancement

Scanning Documents That Include Both Color and Black-and-White Pages

You can set the scanning conditions to detect whether the document to scan is in color or black and white, and save it as a color image or black and white image accordingly.
Set [Mode] on the scanner driver settings screen to [Auto Color Detection].
For more information on setting the scanning conditions, see Chapter 6, "Scanner Driver Settings - Auto Color Detection."

Scanning Different Sized Documents Together

You can set the scanning conditions to scan different sized documents, such as LTR and LGL (A4 and B5) documents, together, while detecting the correct size of the document.
Set [Mode] on the scanner driver Settings screen to [Advanced Text Enhancement] (only for Windows) or [Advanced Text Enhancement II].
For more information on setting the scanning conditions, see Chapter 2, "Using the Scanner - Scanning Different Sized Documents," in the *Reference Guide*.



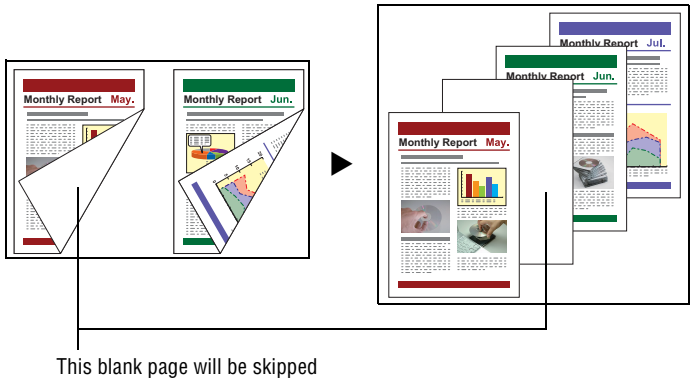
Auto Page Size Detection

IMPORTANT

When scanning multiple documents of different sizes, place the documents so that they cover the entire span of the feed rollers.

Skipping Blank Pages

You can set the scanning conditions to determine whether a scanned image is a blank page, and skip saving the image if so.
Set [Scanning Side] on the scanner driver settings screen to [Skip blank page].
For more information on setting the scanning conditions, see Chapter 6, "Scanner Driver Settings - Scanning Side Settings."



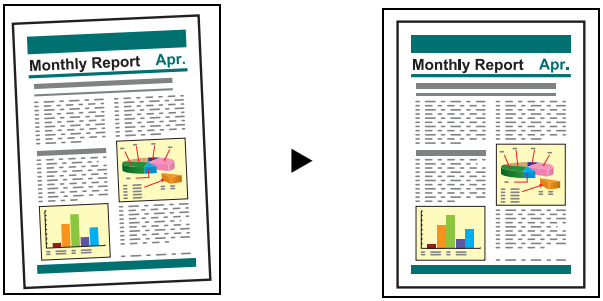
This blank page will be skipped

Scanning (Single-Sided) 11" X 17"/A3 Documents

You can set the scanning conditions to scan both sides of an 11" X 17"/A3 document folded in half to be combined as a single image.
Set [Scanning Side] on the scanner driver settings screen to [Folio].
For more information on setting the scanning conditions, see "Placing Folded Documents" (p. 27) and Chapter 6, "Scanner Driver Settings - Scanning Side Settings."

Deskewing Documents

You can set the scanning conditions to detect slanted document pages and straighten the scanned images.
Select the [Deskew] check box on the scanner driver settings screen.
For more information on setting the scanning conditions, see Chapter 6, "Scanner Driver Settings - Correcting Image Skewing."



Deskew Off ▶ Deskew On

Moire Reduction

You can set the scanning conditions to reduce the moire effect (a shimmering, wavy pattern) that often appears when scanning color documents or scanning in grayscale.
Set [Moiré Reduction] on the scanner driver settings screen to [High Quality Moiré Reduction].
For more information on setting the scanning conditions, see Chapter 6, "Scanner Driver Settings - Moire Reduction."

Correcting the Text Orientation of Documents

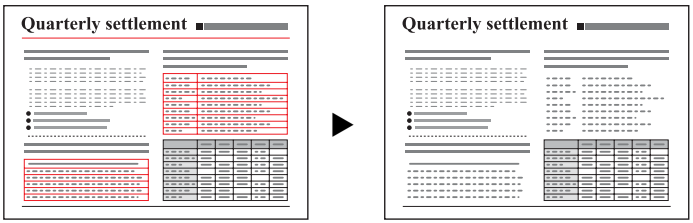
You can set the scanning conditions to detect the text orientation in scanned images, and rotate the images in 90° increments as needed to normalize the orientation.
Select the [Text Orientation Recognition] check box on the scanner driver settings screen.
For more information on setting the scanning conditions, see Chapter 6, "Scanner Driver Settings - Correcting Text Orientation."

Reducing Bleed Through for Thin Documents and Documents with Dark Reverse Sides

You can set the scanning conditions to reduce bleed through when scanning thin document pages and those with dark content on the back side, or to remove the background from document images.
Select the [Prevent Bleed Through / Remove Background] check box on the scanner driver settings screen.
For more information on setting the scanning conditions, see Chapter 6, "Scanner Driver Settings - Removing the Document Background/Bleeding."

Deleting Borders and Ruled Lines of a Specified Color (Red/Green/Blue)

You can set the scanning conditions to omit borders and ruled lines of a specified color (red, green, or blue) from the scanned image. However, this function is only available when scanning in black-and-white.
Change the [Color drop-out] setting on the scanner driver settings screen to the color that should be ignored.
For more information on setting the scanning conditions, see Chapter 6, "Scanner Driver Settings - Omitting a Specific Color."



Document to Scan ▶ Color Drop-out

Enhancing the Red color for Black-and-White Scanning

You can set the scanning conditions to enhance the red color when performing black and white scanning.
Set the [Color drop-out] setting on the scanner driver settings screen to [Red Enhance].
For more information on setting the scanning conditions, see Chapter 6, "Scanner Driver Settings - Enhancing the Red Color."

Creating Smaller Files

You can set the scanning conditions to save the scanned image as a PDF file with a high compression rate, so that the file size is smaller.
Select the [PDF] file format in the output settings, and set [Compression mode] to [High Compression] in the [Detail Settings]. You can also select the [JPEG] file format, and set a high compression ratio in the [Detail Settings].

Saving the Text Data of Documents as Search Keywords

You can set the scanning conditions to convert the text information of a document into text data when creating a PDF file, to be used when searching the text on a computer.
Select the [PDF] file format in the output settings, and select the [Add OCR information] check box in the [Detail Settings].

Specifying Security Settings for PDF Files (Windows only)

You can specify security settings to restrict the viewing, printing, and editing of PDF files created with CapturePerfect 3.0.
For more information on specifying security settings, see the *CapturePerfect3.0 Operation Guide*.

Chapter 6 Scanner Driver Settings

1. Before Using the Scanner 60

2. Scan driver settings 62

Scan Mode Settings 64
Auto Color Detection 66
Paper Size Settings 67
Scan Resolution Settings 68
Scanning Side Settings 69
Correcting Image Skewing 71
Moire Reduction 72
Adjusting the Scan Area 73
Brightness/Contrast Adjustment 75
Gamma Curve Settings 77
Image Contour Adjustment 78
Image Rotation 80
Correcting Text Orientation 81
Removing the Document Background/Preventing Bleed Through 82
Omitting a Specific Color 83
Enhancing the Red Color 85
Rapid Recovery System 86
Double Feed Detection 88
Feeding Options 89
Prescan 91
Registering Scanning Conditions 93
Checking the Version 94

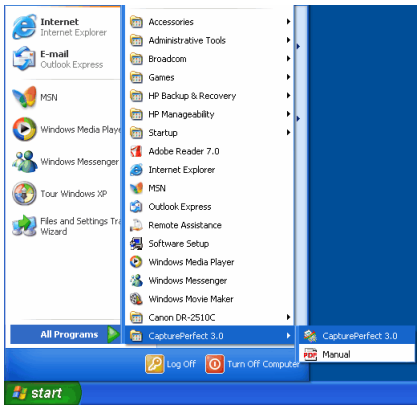
1. Before Using the Scanner

To use the scanner with an ISIS-compliant application (only for Windows) or TWAIN-compliant application, the scanner must first be selected as the scanner to be used.

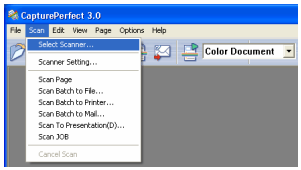
Scanner selection under Windows

This section describes how to select the scanner using CapturePerfect 3.0.

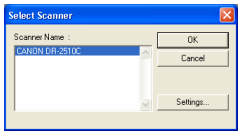
1 From the Windows task bar, click [Start] → point to [All Programs] → [CapturePerfect 3.0] → click [CapturePerfect 3.0].



2 From the [Scan] menu, select [Select Scanner].



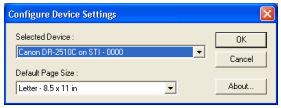
3 Select [Canon DR-2510C] or [Canon DR-2010C] → click [OK].



NOTE

If [Canon DR-2510C] or [Canon DR-2010C] is not displayed in the list of scanners, reinstall the ISIS/TWAIN driver. (See "Installing the Software," on p. 13)

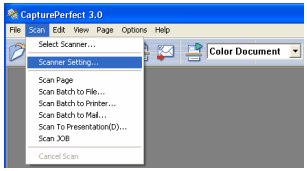
4 Select the default page size from the drop-down list → click [OK].



NOTE

- The [Configure Device Settings] dialog box is displayed only when you select [Canon DR-2510C] or [Canon DR-2010C] for the first time and click [OK], or when you click [Setup] for [Scanner Selection].
- The settings here are applied when you click the [Default] button on the ISIS driver properties dialog box.
- For a TWAIN driver, the default value is set to "LTR" and cannot be changed.

5 From the [Scan] menu, select [Scanner Setting].



The ISIS/TWAIN driver properties dialog box is displayed.

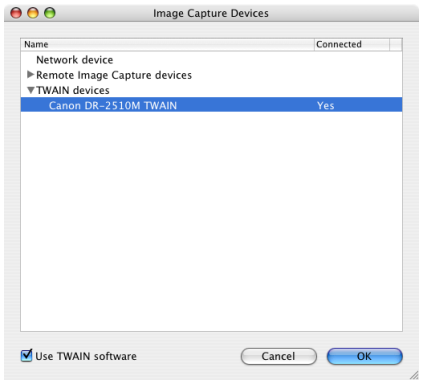
Scanner selection under Mac OS X

As an example, the following explanation describes the procedure when using Image Capture, a standard-installed application for Mac OS X.

1 Start Image Capture.
To start Image Capture, click the hard disk icon (e.g. [Macintosh HD]), the [Applications] folder, and then the [Image Capture] icon.

2 Click [Browse Devices] in the [Devices] menu.

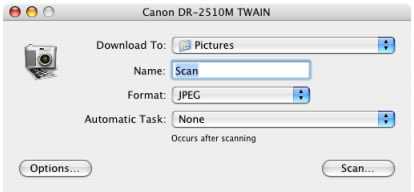
3 Select the scanner you want to use, and select the [Use TWAIN software] check box.



4 Click [OK].

5 Select [DR-2510M TWAIN] from the [Devices] menu.

6 Click [Scan].



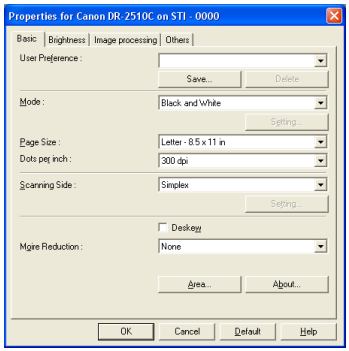
The Scanner driver settings screen appears.

2. Scan driver settings

This section describes the various settings that can be made from the scanner driver settings screen.

Scanner driver settings screen under Windows

The ISIS/TWAIN driver properties dialog box is displayed when you select [Scanner Setting] on the [Scan] menu of CapturePerfect 3.0.
It consists of four tabs: the [Basic] tab, [Brightness] tab, [Image processing] tab, and [Others] tab.
Specify the settings on each tab as necessary to set the scanning conditions.
For details on each setting, also refer to the Help.



[OK] button
Confirms the settings and closes the dialog box.

[Scan] button
For a TWAIN compatible application that can perform scanning from the properties dialog box, the [Scan] button is displayed instead of the [OK] button. Press the [Scan] button to scan with the displayed settings.

[Cancel] button
Cancels the settings and closes the dialog box.

[Default] button
Returns the settings to their default values.

[Help] button
Displays Help for the currently open tab or dialog box.

NOTE

If you are using a TWAIN driver, the two extra settings below are displayed on the [Basic] tab and [Image processing] tab. Refer to the Help for details.

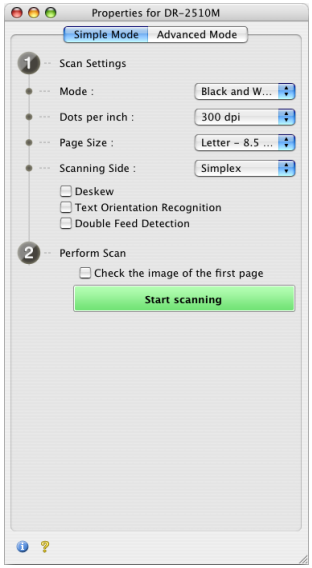
-[Basic] tab: Scan options

-[Image processing]: Black/white reversion

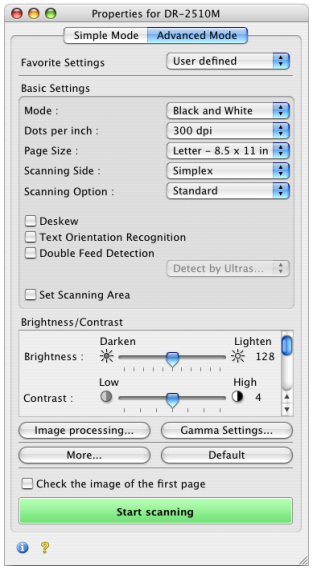
Scanner driver settings screen under Mac OS X

The Scanner driver settings screen under Max OS X has a Simple Mode and an Advanced Mode. (In the default condition after installation of the scanner driver, the screen will open in Simple Mode.) You can switch between modes by clicking the tabs at the top of the properties screen.

Simple Mode



Advanced Mode



IMPORTANT

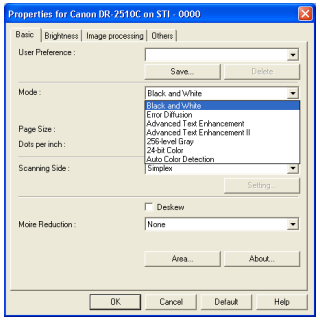
- **If you switch modes, any settings configured up to that point will be discarded.**
- **If the TWAIN driver settings screen is called from CaptureOnTouch, the screen is always in Advanced Mode. You cannot switch to Simple Mode.**

Scan Mode Settings

This section describes the procedure for setting the scan mode to suit your needs.

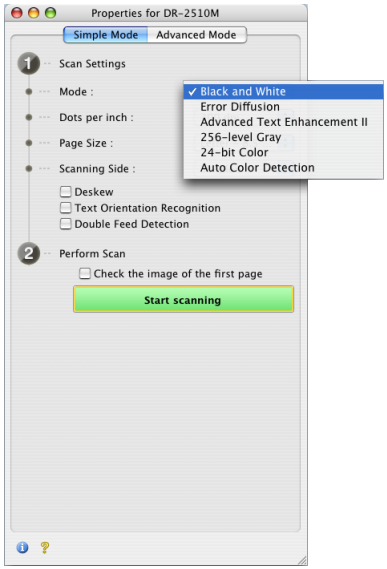
Under Windows

1 In the ISIS/TWAIN driver properties dialog box, click the [Basic] tab → select the scanning mode from the [Mode] drop-down list.



Under Mac OS X

1 Select a suitable setting for [Mode]. (This is the same in Simple Mode and Advanced Mode.)



NOTE

- You can select the following modes, according to the type of document you want to scan. Note that some functions may be restricted, depending on the mode settings.

■ **Black-and-White**

- [Black and White]
  Use this mode to scan text and line drawing documents as black-and-white (binary) images.
- [Error Diffusion]
  Use this mode to scan documents containing photos as black-and-white (binary) images.
- [Advanced Text Enhancement] (only for Windows)
  Use this mode to scan documents with a dark or non-uniform (pattern) background.
  - If the background is uniform it is removed where it surrounds the text.
  - If the background is non-uniform, such as a pattern, it is processed to enhance text readability.
- [Advanced Text Enhancement II]
  Use this mode to scan documents with a light uniform background and low-contrast text.
  - The background in tight spaces around text may not be removed.
  - Documents with low-contrast text can be made more readable by adjusting [Contrast] on the [Brightness] tab.
  - If the background is non-uniform, such as a pattern, the background remains visible in the scanned image, and text may be hard to read.

■ **Grayscale**

- [256-level Gray]
  Scans documents containing photos as grayscale images.

■ **Color**

- [24-bit Color]
  Scans documents containing color photos as full-color images.

■ **Auto Color Detection**

- [Auto Color Detection]
  Whether a document is black-and-white or color is detected before the scanned image is saved.
  - When [Auto Color Detection] is enabled, the [Setting] button is enabled for opening the [Auto Color Detection] dialog box, where you can make settings affecting how color documents are scanned, and select which scanning mode to use for black-and-white.
  - Depending on the application program, operation may become unstable when [Auto Color Detection] is enabled. In that case, [Auto Color Detection] should be disabled.
  - For details, See "Auto Color Detection," on p. 66.

- Depending on the mode setting, other functions may become unavailable, as shown below.

Settings Tab / Scanning Mode	Deskew	Moire Reduction	Edge emphasis—	Prevent Bleed Through / Remove Background	Black/white reversion*	Color Drop-out	Batch Separation**	Prescan
Black and White	O	O	O	O	O	O	O	O
Error Diffusion	O	O	O	O	O	O	O	O
Advanced Text Enhancement (only for Windows)	O	O	O	–	O	O	O	O
Advanced Text Enhancement II	O	O	–	–	O	O	O	O
256-level Gray	O	O	O	O	–	O	O	O
24-bit Color	O	O	O	O	–	–	O	O
Auto Color Detection	O	O	O	–	–	–	–	–

O: Available for setting –: Not available for setting or automatically set

* Only available if scanner driver was called from TWAIN compatible application under Windows, and under Mac OS X

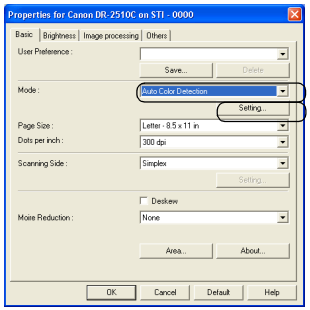
** Only available if scanner driver was called from ISIS compatible application under Windows

Auto Color Detection

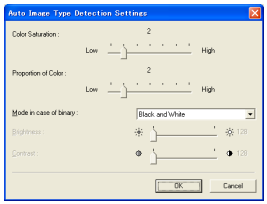
This section describes the procedure for setting the scanner to automatically detect whether a document is in color or black-and-white when scanning.

Under Windows

1 In the ISIS/TWAIN driver properties dialog box, click the [Basic] tab → select [Auto Color Detection] from the [Mode] drop-down list → click [Setting].

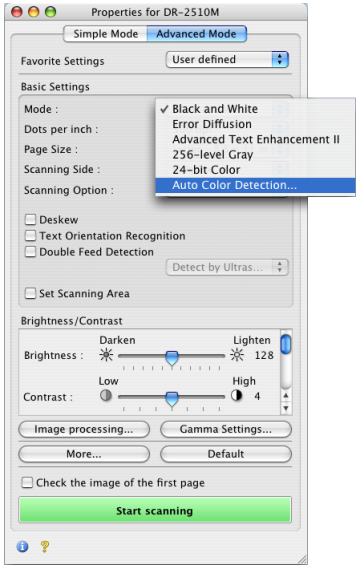


2 Specify the various settings in the [Auto Image Type Detection Settings] dialog box → click [OK].

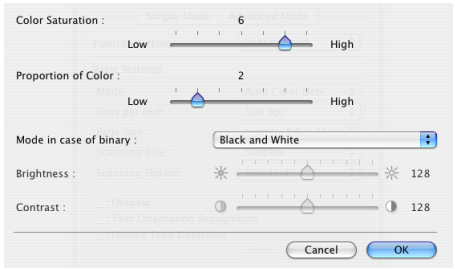


Under Mac OS X

1 Select [Auto Color Detection] for [Mode].



2 In Advanced Mode, when [Auto Color Detection] is selected for [Mode], various items can be set on the screen.



NOTE

- The settings you can specify are as follows.

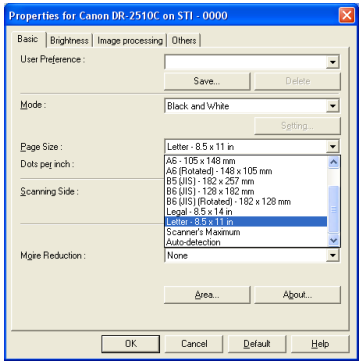
- **[Color Saturation/Proportion of Color]**
  Normally scan with the default values (Color Saturation: 2, Proportion of Color: 2), but change the settings when you want to scan a color document as a black-and-white document.
  - Color Saturation: change the setting towards "High" when you want to scan a color document with low color saturation as a black-and-white document.
  - Proportion of Color: change the setting towards "High" when you want to scan a colordocument with a low proportion of color as a black-and-white document.
- **[Mode in case of binary]**
  Select the scanning mode when a page is detected as black and white.
- **[Brightness]**
  This setting adjusts the brightness when [Advanced Text Enhancement] (only for Windows) or [Advanced Text Enhancement II] is selected with the Black and White mode. For other modes, the brightness is set from the [Brightness] tab. The brightness setting for other modes is dependent on the following settings.
  Windows: [Brightness] under [Brightness] tab
  Mac OS X: [Brightness] under [Brightness/Contrast]
- **[Contrast]**
  This setting adjusts the contrast when [Advanced Text Enhancement II] is selected with the Black and White mode. For other modes, the contrast is set from the [Brightness] tab. The contrast setting for other modes is dependent on the following settings.
  Windows: [Contrast] under [Brightness] tab
  Mac OS X: [Contrast] under [Brightness/Contrast]

Paper Size Settings

This section describes the procedure for selecting the size for scanning.

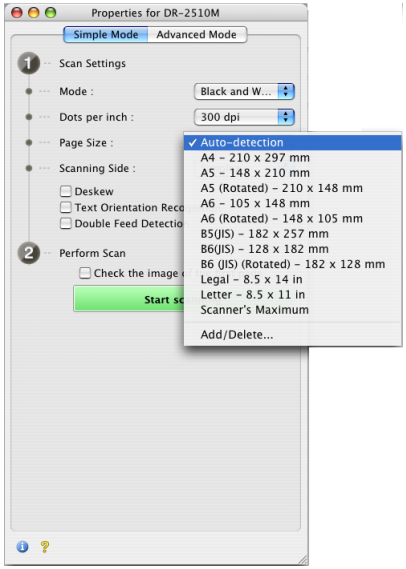
Under Windows

1 Click the [Basic] tab → click the page size in [Page Size].



Under Mac OS X

1 Select [Auto-detection] for [Page Size]. (This is the same in Simple Mode and Advanced Mode.)



NOTE

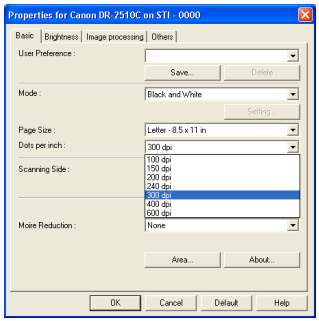
- Click [Auto-detection] to scan the following kinds of documents.
  - Documents of undetermined size
  - Documents including mixed page sizes
  - When using the Long Document mode (See "Setting the Long Document Mode," on p. 32.)
- When [Auto-detection] is selected, the [Area] setting in the [Scan Area] dialog box is disabled.
- Depending on the application, operation may become unstable when [Auto-detection] is enabled. In that case, [Auto-detection] should be disabled.

Scan Resolution Settings

This section describes the procedure for setting the resolution for scanning.

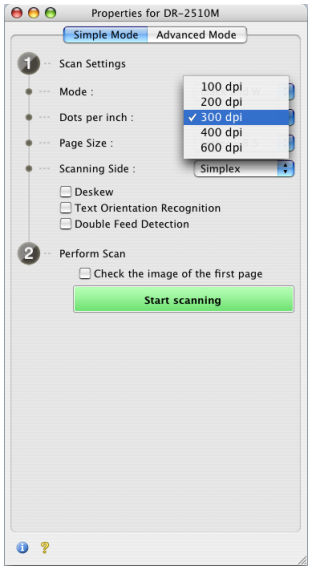
Under Windows

1 In the ISIS/TWAIN driver properties dialog box, click the [Basic] tab → select the resolution for scanning from the [Dots per inch] drop-down list.



Under Mac OS X

1 Select a suitable resolution setting for [Dots per inch]. (This is the same in Simple Mode and Advanced Mode.)



NOTE

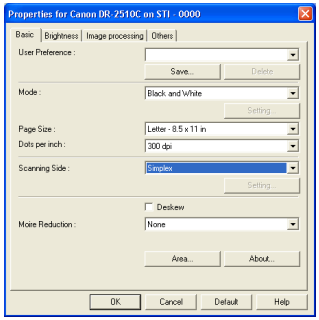
- Higher resolutions provide clearer images, but produce larger files.
- When the selected resolution is 300 dpi or less, the [Moire Reduction] setting is automatically enabled to allow reduction of the moire effect (a shimmering, wavy pattern) in scanned images.

Scanning Side Settings

This section describes the procedure for setting the page side settings for scanning.

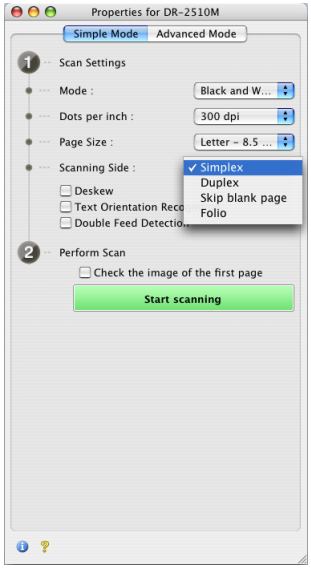
Under Windows

1 In the ISIS/TWAIN driver properties dialog box, click the [Basic] tab → select the page side to scan from the [Scanning Side] drop-down list.



Under Mac OS X

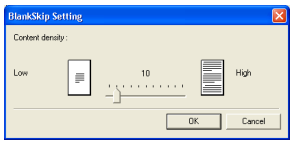
1 Select a suitable setting for [Scanning Side]. (This is the same in Simple Mode and Advanced Mode.)



NOTE

- Specify one of the settings below according to the page side setting you want to use.

- **[Simplex]**
  Scan only the front side of documents loaded into the feeder.
- **[Duplex]**
  Scan both sides of documents.
- **[Skip Blank Page]**
  As each document page is scanned, the scanner detects whether it is blank, and if so, the image is not saved.
  - Under Windows, selecting [Skip Blank Page] enables the [Setting] button, which opens the [Blank Skip Setting] dialog box. Under Mac OS X, selecting [Skip Blank Page] opens the content density setting screen.(The dialog box shown below is an example from Windows, but the setting items are the same under Mac OS X.)



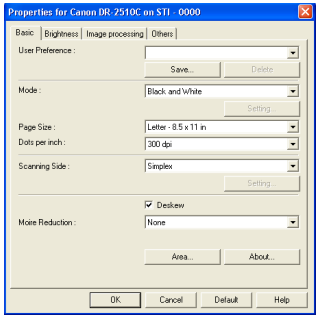
  - This screen serves for adjusting the content density used to judge whether a page is to be considered blank. Increase the setting if blank pages are not skipped, and decrease the setting if non-blank pages are skipped.
  - The Skip Blank Pages function may not work properly if a [Custom] setting is enabled for [Gamma Settings].
  - If a scanning side setting (simplex or duplex) is specified in the application settings, set [Simplex].
- **[Folio]**
  Documents that are normally folded in half are scanned on both sides and composed into one image.
  - Under Windows, if the scanner driver settings screen was called from an ISIS compatible application, you cannot click [Folio] if [Patchcode] is selected in the [Batch Separation] box of the [Others] tab.

Correcting Image Skewing

This section describes the procedure for setting the scanner to detect slanted document pages and straighten the scanned images.

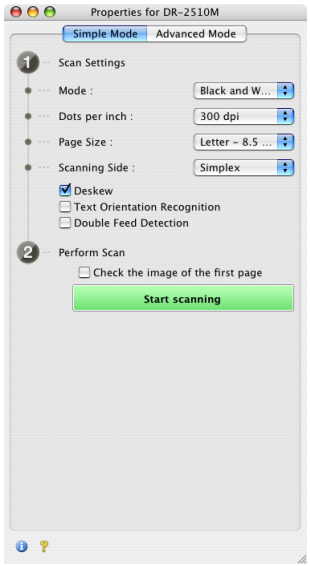
Under Windows

1 In the ISIS/TWAIN driver properties dialog box, click the [Basic] tab → select the [Deskew] check box.



Under Mac OS X

1 Select the [Deskew] check box. (This is the same in Simple Mode and Advanced Mode.)



NOTE

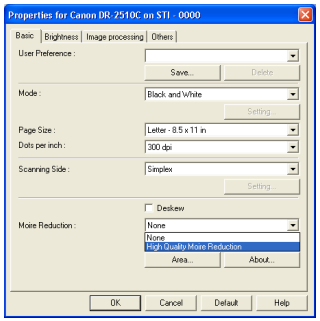
Deskewing also may not work properly or cause part of the image to be lost in other cases, depending on the document.

Moire Reduction

This section describes the procedure for setting to reduce the moire effect (a shimmering, wavy pattern) that may appear when scanning color documents or scanning in grayscale.

Under Windows

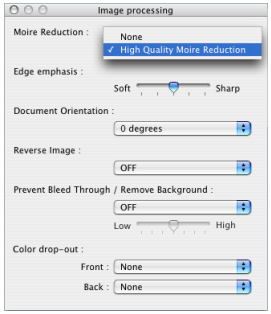
1 In the ISIS/TWAIN driver properties dialog box, click the [Basic] tab → select [High Quality Moire Reduction] from the [Moire Reduction] drop-down list.



Under Mac OS X

1 Switch to Advanced Mode and click [Image Processing].

2 For [Moire Reduction], select [High Quality Moire Reduction].



NOTE

When a resolution higher than 300 dpi is selected for [Dots per inch], [High Quality Moire Reduction] is greyed out.

- When a resolution of 240 dpi or less is selected for [Dots per inch], you can click [High Speed Moire Reduction].
- Select one of the following according to the resolution you have set:

[None]
Do not perform moire reduction.

[High Speed Moire Reduction]
This mode prioritizes speed, and generates an image of the specified resolution from an image scanned at 300 dpi.

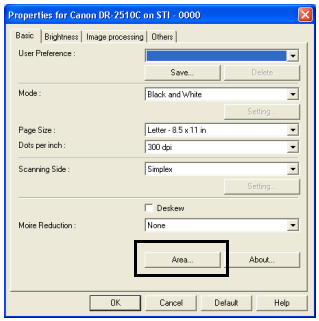
[High Quality More Reduction]
This mode prioritizes image quality, and generates an image of the specified resolution from an image scanned at 600 dpi. The image quality is higher, but the scanning speed decreases.

Adjusting the Scan Area

This section describes the procedure for scanning part of a document image.

Under Windows

1 In the ISIS/TWAIN driver properties dialog box, click the [Basic] tab → click [Area].

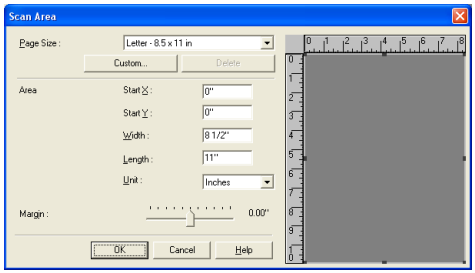


NOTE

In the [Scan Area] dialog box you can define the area of the document page to scan on a selected page size, and register non-standard document page sizes.

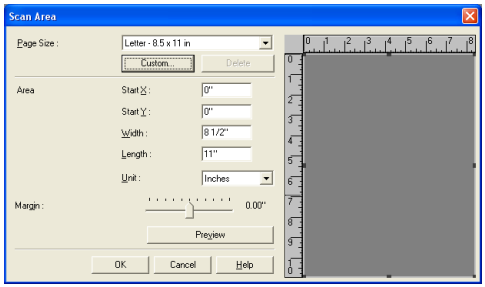
The [Scan Area] dialog box is different for ISIS and TWAIN drivers: for the TWAIN driver, one of two dialog box types is displayed depending on the application program used.

Scan Area Dialog Box (ISIS Driver)

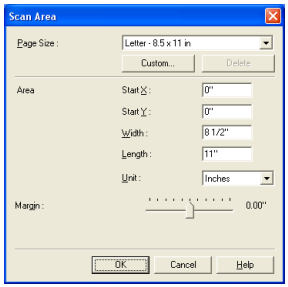


Scan Area Dialog Box (TWAIN Driver)

If there is a [Scan] item in the Settings dialog box of the application, it will look as follows.

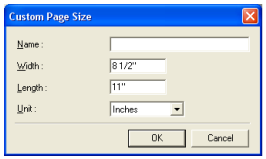


The Area window and [Preview] button are not displayed when using applications that display the [OK] button in the Properties dialog box.



Page Size

This setting is linked to the [Page Size] setting, for selecting the size of document pages to scan. Clicking the [Custom] button opens the [Custom Page Size] dialog box, where non-standard page sizes can be registered as custom page sizes.



Area

Select the area to be scanned.

→ Area settings here are overridden in the following cases:

- When the [Auto-detection] page size is selected
- When [Text Orientation Recognition] is enabled on the [Image processing] tab sheet

→ When [Deskew] is enabled on the [Basic] tab sheet, the specified area may be displaced when scanning.

Area Window

The size indicated for the Area window corresponds to the page size setting, and the area within the panel indicates the current scanning area.

→ The scanning area can be adjusted by dragging the handles bordering the Area window with your mouse.

→ With CapturePerfect, the last scanned image appears in the Area window.

Margin

This control adjusts the top, bottom, left and right margins around the scanning area so that you can expand the scanning area to include the edges of a document, or reduce it to avoid black frames around scanned images.

→ If the edges of documents are missing from scanned images, move the slider to the right to expand the scanning area.

→ To eliminate the black frame around scanned images, reduce the scanning area by moving the slider to the left.

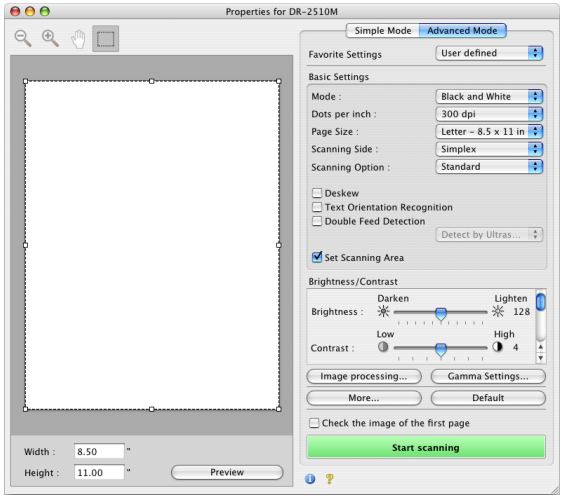
→ The measurement units for margins are determined by the [Unit] setting.

Preview Button (TWAIN driver only)

Click the [Preview] button to scan one document page and display its preview image in the Area window.

Under Mac OS X

1 Switch to Advanced Mode and select the [Set Scanning Area] check box. The scan driver settings screen expands, giving access to more settings.



2 Specify the area of the document to be scanned.

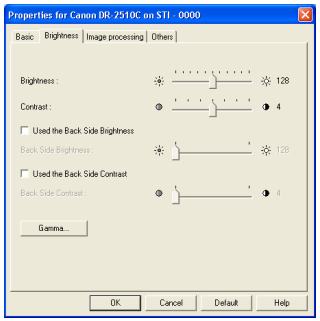
- To directly specify the area by numeric input, enter the values into the [Width] and [Height] fields.
- When you click [Preview], only one document is scanned, and the scanned image appears in the preview area. You can make adjustments by dragging the dotted lines with the mouse while checking the image in the preview area.

Brightness/Contrast Adjustment

This section describes the procedure for adjusting the brightness and contrast for scanning.

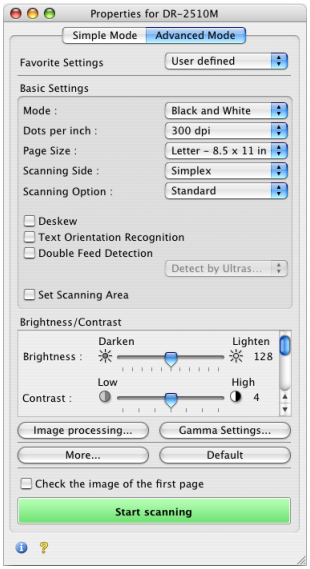
Under Windows

1 In the ISIS/TWAIN driver properties dialog box, click the [Brightness] tab → adjust the [Brightness] slider and [Contrast] slider to adjust the brightness and contrast for scanning.



Under Mac OS X

1 Switch to Advanced Mode and move the [Brightness] and [Contrast] sliders to adjust the brightness and contrast of the scanned image.



NOTE

- The settings you can specify are as follows:

- **[Brightness]**
  Adjusts the brightness of images to be scanned.
  - If images are too dark or if text on the back bleeds through, drag the slider to the right to increase the brightness.
  - If images are too light, drag the slider to the left to decrease the brightness.
- **[Contrast]**
  Adjusts the contrast of images to be scanned.
- **[Used the Back Side Brightness] Check Box**
  If the brightness of the front and back of the document pages is different, select this check box to adjust only the brightness of the back side.
- **[Used the Back Side Contrast] Check Box**
  If the contrast of the front and back of the document pages is different, select this check box to adjust only the contrast of the back side.

- The availability of brightness and contrast settings are as follows, according to the setting selected in the [Mode] drop-down list.

Scanning mode	Brightness	Contrast	Back Side Brightness	Back Side Contrast
Black and White	○	○	○	○
Error Diffusion	○	○	○	○
Advanced Text Enhancement (only for Windows)	○	–	–	–
Advanced Text Enhancement II	○	○	–	–
256-level Gray	○	○	○	○
24-bit Color	○	○	○	○
Auto Color Detection	○	○	○	○

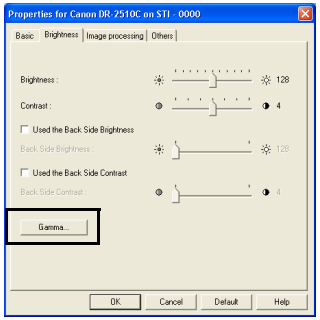
○: Available for setting – : Not available for setting, or automatically set

Gamma Curve Settings

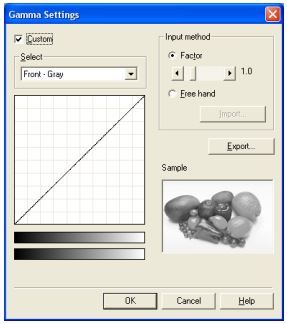
This section describes the procedure for adjusting the gamma level for scanning documents.

Under Windows

1 In the ISIS/TWAIN driver properties dialog box, click the [Brightness] tab → click [Gamma].

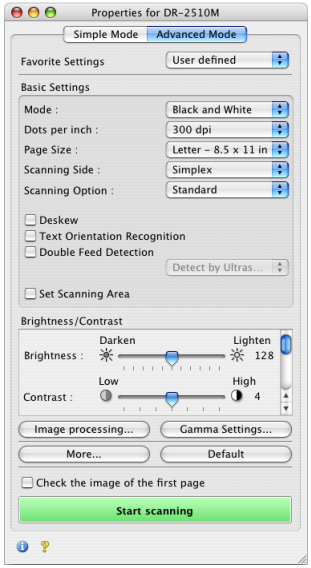


2 Select the [Custom] check box in the [Gamma Settings] dialog box → specify the settings as necessary.



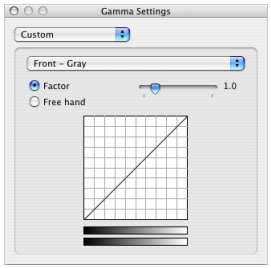
Under Mac OS X

1 Switch to Advanced Mode and click [Gamma Settings].



The [Gamma Settings] dialog box appears.

2 Click [Custom] in the list box at the top and then set the respective items.



NOTE

- When you make custom gamma correction settings, all settings related to the brightness of the scanned image will be set automatically.
- The settings you can specify are as follows:

- **Select**
  Select the side and color for the custom setting.
  - The color bar and color of the sample image are changed to show the specified color.
- **Input method**
  Select the setting method for gamma correction.
- **[Factor]**
  Move the slider to the left or right to adjust the gamma correction factor between 0.2 and 5.0.
  - The gamma correction value, Gamma Curve Graph, and sample image color are interlinked.
  - Clicking a point in the Gamma Curve Graph with your mouse changes the gamma curve and color of the sample image to match that point.
  - You can also move the gamma curve by dragging it with the mouse.
- **[Freehand]**
  The output value for a particular input value in the gamma table can be specified with the mouse.
  - Click any point in the Gamma Curve Graph to set that point as an output value.
  - Drag the mouse on the Gamma Curve Graph to set the output value according to the mouse movement.

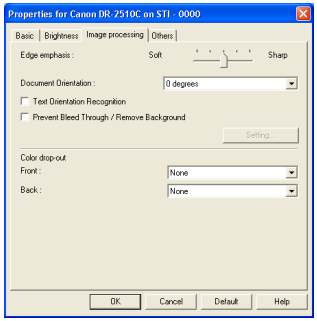
- Custom gamma correction settings can be exported as gamma table data, and data exported earlier can be imported again. For details, see the scanner driver help.

Image Contour Adjustment

This section describes the procedure for adjusting the contours of the scanned image.

Under Windows

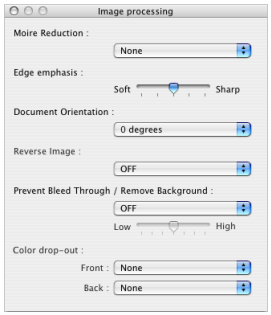
1 In the ISIS/TWAIN driver properties dialog box, click the [Image processing] tab → adjust the [Edge emphasis] slider to adjust the contours of the scanned image.



Under Mac OS X

1 Switch to Advanced Mode and click [Image Processing].

2 Adjust the [Edge emphasis] slider to correct the outline of the scanned image.



NOTE

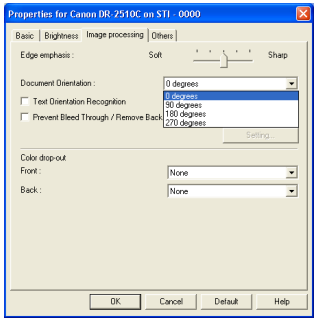
Move the slider toward [Soft] to soften the image contours, or toward [Sharp] to sharpen the image contours.

Image Rotation

This section describes the procedure for rotating the orientation of the scanned image.

Under Windows

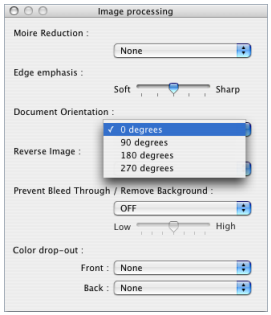
1 In the ISIS/TWAIN driver properties dialog box, click the [Image processing] tab → select the angle to rotate the image from the [Document Orientation] drop-down list.



Under Mac OS X

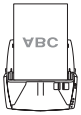
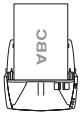
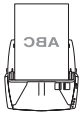
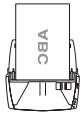
1 Switch to Advanced Mode and click [Image Processing].

2 Under [Document Orientation], select the rotation angle for the image.



NOTE

The scanned image will be rotated as follows, according to the orientation of the placed document and the specified angle.

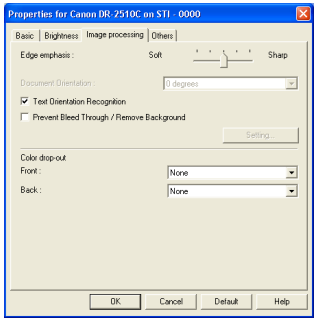
Document: face down				
Document Orientation (clockwise)	0 degrees	90 degrees	180 degrees	270 degrees
Scanned Image				

Correcting Text Orientation

This section describes the procedure for automatically correcting the orientation of the text when scanning.

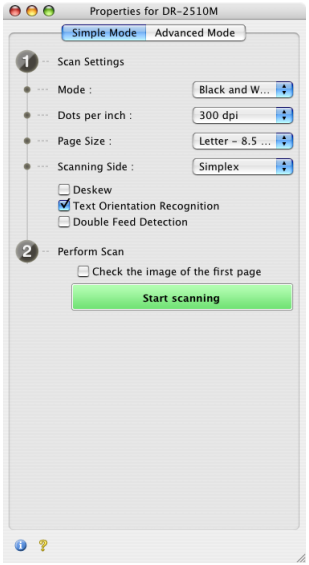
Under Windows

1 In the ISIS/TWAIN driver properties dialog box, click the [Image processing] tab → select the [Text Orientation Recognition] check box.



Under Mac OS X

1 Select the [Text Orientation Recognition] check box. (This is the same in Simple Mode and Advanced Mode.)



NOTE

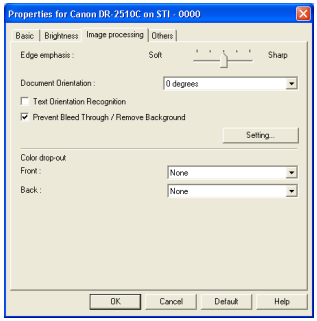
- When the [Text Orientation Recognition] check box is selected, the [Document Orientation] and scan area settings are disabled.
- Some application programs do not support text orientation recognition. Please disable [Text Orientation Recognition] if your application program operates abnormally when it is enabled.

Removing the Document Background/Preventing Bleed Through

This section describes the procedure for setting to reduce bleed through when scanning thin document pages and pages with dark content on the back side, or to remove the background from document images.

Under Windows

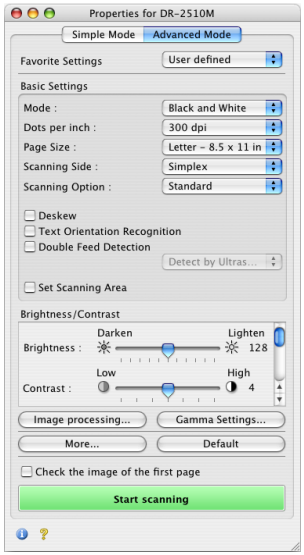
1 In the ISIS/TWAIN driver properties dialog box, click the [Image processing] tab → select the [Prevent Bleed Through / Remove Background] check box → click [Setting].



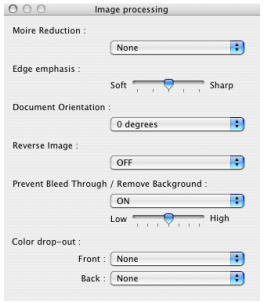
2 Adjust the [Removal level] slider to set the level of bleed through prevention or background removal.

Under Mac OS X

1 Switch to Advanced Mode and click [Image Processing].



2 Set [Prevent Bleed Through / Remove Background] to [ON] and adjust the slider to control the level of bleed-through prevention and background removal.



Omitting a Specific Color

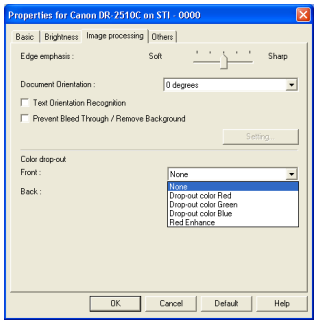
This section describes the procedure for setting to omit borders and ruled lines of a specified color (red, green, or blue) from the scanned image.

Under Windows

NOTE

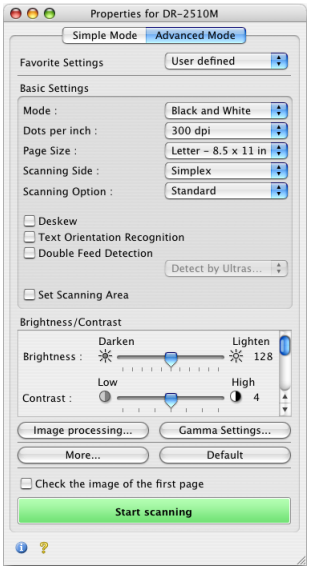
When the [Mode] setting is [24-bit Color] or [Auto Color Detection], the settings below are not available.

1 In the ISIS/TWAIN driver properties dialog box, click the [Image processing] tab → select the color to omit from the [Front] and [Back] drop-down lists under Color drop-out, as necessary.

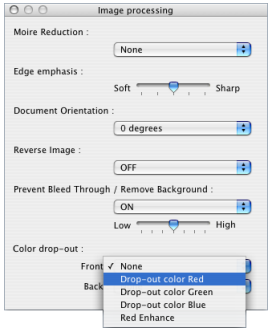


Under Mac OS X

1 Switch to Advanced Mode and click [Image Processing].



2 Under [Color drop-out], select a color to ignore.



NOTE

You can specify different settings for the front and back side of the document.

Enhancing the Red Color

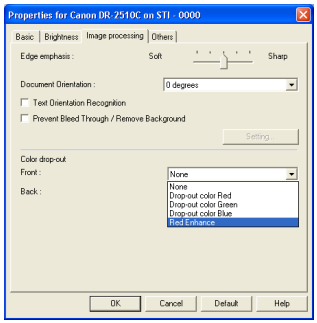
This section describes the procedure for setting the scanner to enhance the red color when performing black-and-white scanning.

Under Windows

NOTE

If you select [24-bit Color] or [Auto Color Detection] from the [Mode] drop-down list of the [Basic] tab, you cannot specify this setting.

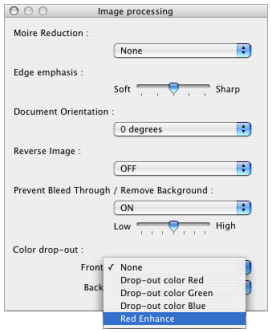
1 In the ISIS/TWAIN driver properties dialog box, click the [Image processing] tab → select [Red Enhance] from the [Front] and [Back] drop-down lists under Color drop-out.



Under Mac OS X

1 Switch to Advanced Mode and click [Image Processing].

2 Under [Color drop-out], select [Red Enhance].



NOTE

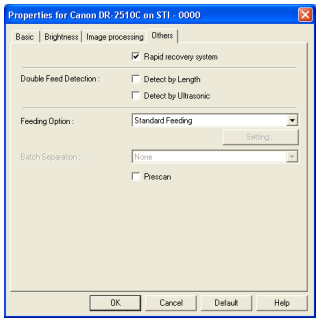
You can set specify different settings for the front and back side of the document.

Rapid Recovery System

This section describes the procedure for setting the system recovery method used by the scanner when document feeding stops due to a paper jam or other error during scanning.

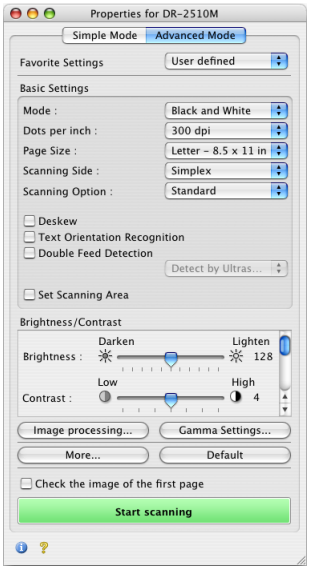
Under Windows

1 In the ISIS/TWAIN driver properties dialog box, click the [Others] tab → select the [Rapid recovery system] check box → click [OK].



Under Mac OS X

1 Switch to Advanced Mode and click [More].



2 Select the [Rapid recovery system] check box.

NOTE

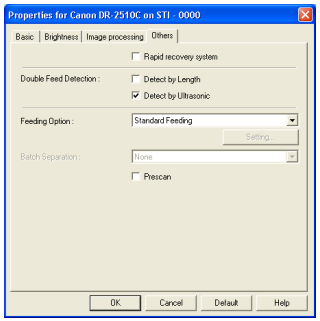
If you select [Rapid recovery system] and a paper jam or other error causes document feeding to stop while scanning, scanning stops without sending an error notification to the application program. After you clear the paper jam or resolve the error, you can resume the normal scanning operations.

Double Feed Detection

This section describes the procedure for setting the scanner to stop document feeding when double feeding of document pages is detected.

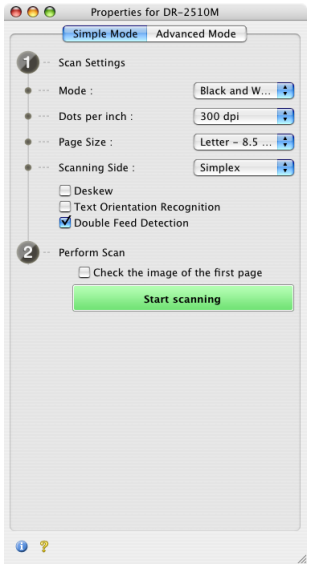
Under Windows

1 Click the [Others] tab → select the [Detect by Length] or [Detect by Ultrasonic] (for the DR-2510C only) check box under [Double Feed Detection → click [OK].

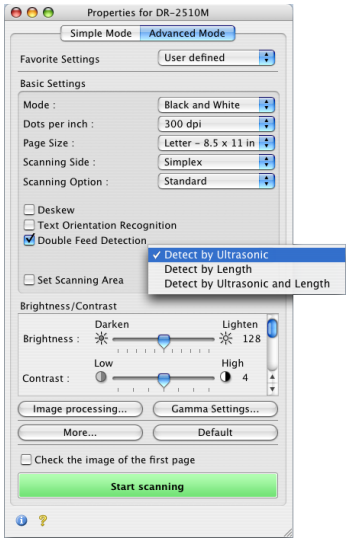


Under Mac OS X

1 Select the [Double Feed Detection] check box. (This is the same in Simple Mode and Advanced Mode.)



2 When switched to Advanced Mode, the detection method can be selected (DR-2510M only).



NOTE

- Details of each detection method are indicated below.

[Detect by Length]

This detection method is effective when scanning documents of the same size. It detects double-feeding when a document is 2.0" (50 mm) longer or 2.0" (50) mm shorter than the standard length (the length of the first document). Feeding is stopped when a double-feed is detected.

[Detect by Ultrasonic]

This detection method is effective when scanning documents of different sizes. It uses ultrasonic waves to detect the gap between documents when more than two sheets of paper are fed at the same time. Feeding is stopped when a double-feed is detected.

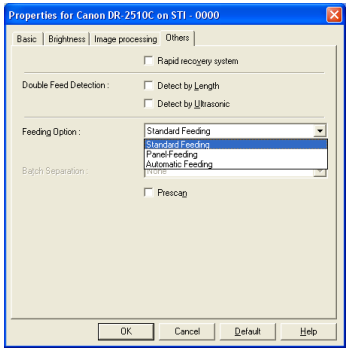
- The two detection methods can be used at the same time.
- When the documents overlap by less than 2.0" (50 mm) or are stuck together due to static electricity, double-feeding may not be able to be detected correctly using ultrasonic.

Feeding Options

This section describes the procedure for selecting the method for feeding documents.

Under Windows

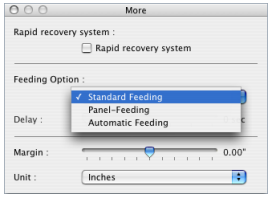
1 Click the [Others] tab → select the document feeding method in [Feeding Option].



Under Mac OS X

1 Switch to Advanced Mode and click [More].

2 Under [Feeding Option], select the document feeding method.



NOTE

- Details of each feeding method are indicated below.

[Standard Feeding]

This feeding method is good for scanning small batches of documents that are loaded one batch at a time: scanning stops when the loaded documents have been scanned.

[Panel Feeding]

This feeding method is good for scanning batches of documents of different sizes: after loading the documents, press the Job button (assigned as a Start button on the scanner) to start scanning, and press the assigned Stop button to stop scanning.

- When scanning documents with different-size pages, after loading the documents, you can adjust the document guide position.

[Automatic Feeding]

This feeding method is good for scanning batches of same-size documents: scanning starts when the scanner detects loaded documents, and stops when you press the Stop button.

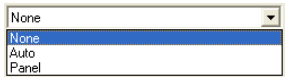
- When [Automatic Feeding] is selected, the [Setting] button is enabled to allow setting the delay time from when a loaded document is detected until scanning starts. The delay time can be set from 0 to 60 seconds.

Batch Separation

When the separation timing to use when scanning starts with batch separation enabled in the application. (If [Standard Feeding] is selected, batch separation is disabled.)

This item is available only under Windows when the scanner driver was called from an ISIS compatible application.

If you selected [Panel Feeding] or [Automatic Feeding] for the feeding method:



[Auto]

Document batches are separated automatically.

[Panel]

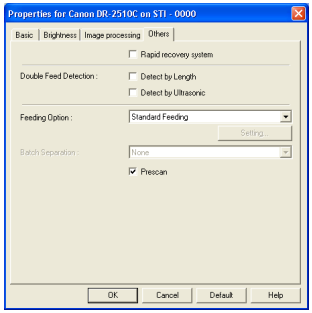
Document batches are separated when the [Batch Separation] button on the Scan Panel is pressed. (See "Using the Scan Panel," on p. 55.)

Prescan

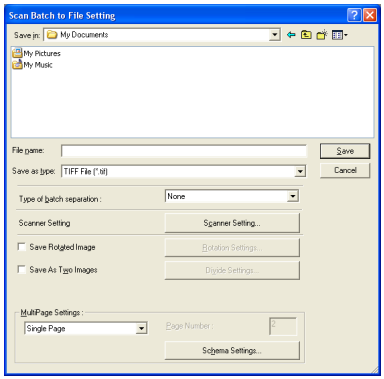
This section describes the procedure for checking a scanned image and adjusting the brightness and contrast accordingly.

Under Windows

1 In the ISIS/TWAIN driver properties dialog box, click the [Others] tab → select the [Prescan] check box.

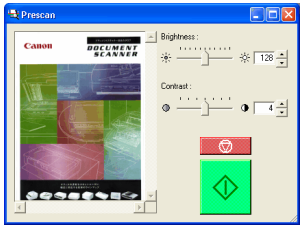


2 Specify the location, file name, and file format to save the image → click [Save] to start scanning.



When scanning is complete, the Prescan dialog box is displayed.

3 Check the displayed preview image → adjust [Brightness] and [Contrast] as necessary using the sliders or up/down buttons → click ◇ (Start) to save the scanned image.



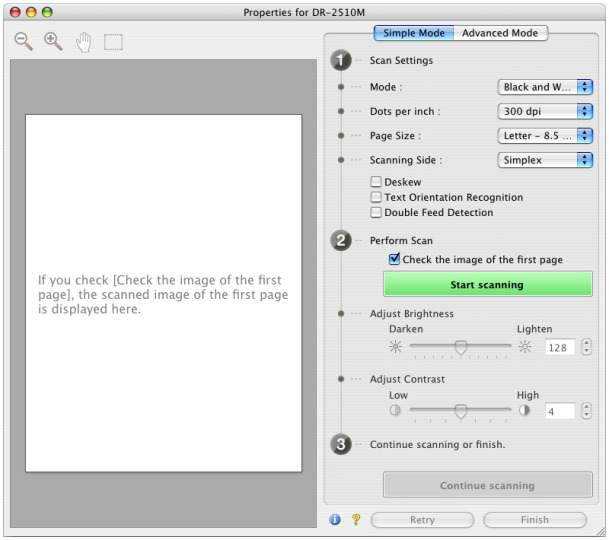
NOTE

The [Prescan] dialog box is for scanning after adjusting the brightness and contrast according to the results of the first document. You can enlarge the image displayed in the [Prescan] dialog box. (Left-click the image displayed in the dialog box to enlarge it, and right-click the image displayed in the dialog box to reduce it.)

If you change the brightness and contrast values, the image displayed in the dialog box reflects these new values. Click the Start button to start scanning with the adjusted brightness and contrast. Click the Stop button to stop scanning.

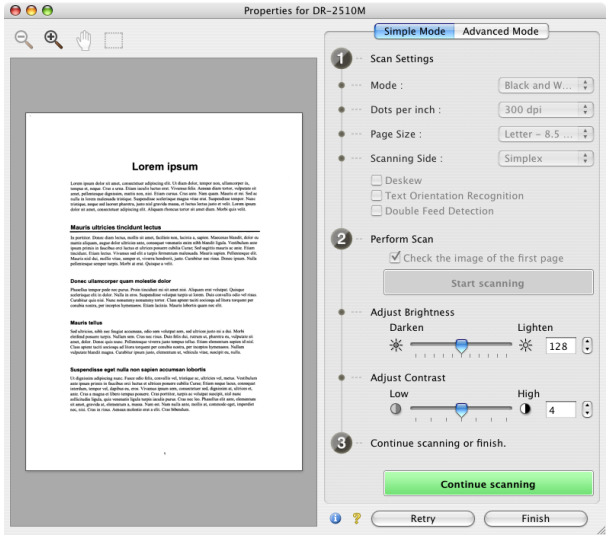
Under Mac OS X

1 Select the [Check the image of the first page] check box and start scanning. (This is the same in Simple Mode and Advanced Mode.)



The Scanner driver settings screen expands, and the scanned image of the first page appears in the preview area.

2 Adjust brightness and contrast if necessary. (This is the same in Simple Mode and Advanced Mode.)



IMPORTANT

- **The tool bar above the preview area allows you to zoom in and out and scroll the scanned image.**
- **The brightness and contrasts settings are reflected in the preview image.**
- **Click [Continue scanning] to scan the other pages.**

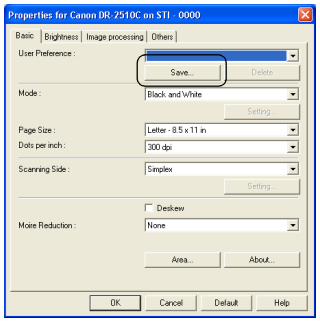
Registering Scanning Conditions

This section describes the procedure for registering specified scanning conditions.

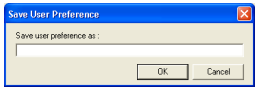
Under Windows

1 Specify the scanning conditions as necessary on the [Basic] tab, [Brightness] tab, [Image processing] tab, and [Others] tab of the ISIS/TWAIN driver properties dialog box.

2 Click the [Basic] tab → click [Save].

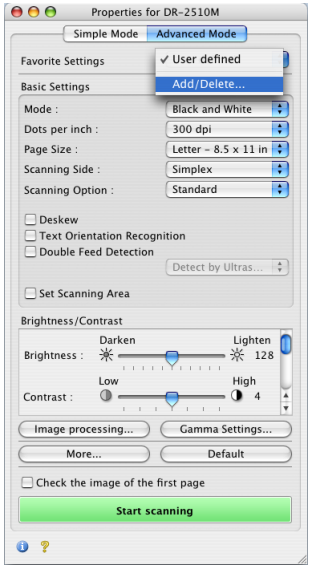


3 Enter a name for [Save user preference as] → click [OK].



Under Mac OS X

1 Switch to Advanced Mode, make the necessary settings, and then select [Add/Delete] for [Favorite Settings].



2 Enter a name into the [Setting Name] field, and then click [Add].

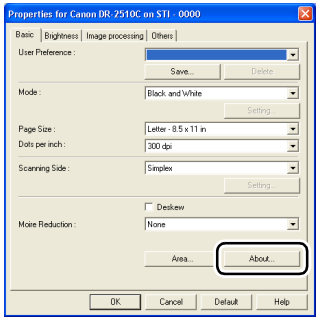
3 Click [Save] to close the dialog box.

Checking the Version

This section describes the procedure for checking the version of the ISIS/TWAIN driver you are currently using.

Under Windows

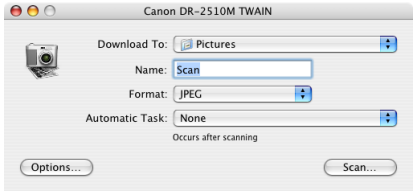
1 In the ISIS/TWAIN driver properties dialog box, click the [Basic] tab → click [About].



2 Check the content of the [About] dialog box → click [OK].

Under Mac OS X

1 Click (Info button). (This is the same in Simple Mode and Advanced Mode.)



2 Check the displayed information, and click to close the dialog box.

Chapter 7 Maintenance

1. Regular Maintenance 95
Cleaning the Scanner 95
Cleaning the Inside of the Scanner 95
Cleaning the Sensor Glass and the Rollers 96
2. Removing and Attaching the Rollers and Document Holding Guide 98
Roller Replacement Cycle 98
Resetting the Counter 98
Removing/Attaching the Feeding Roller 101
Removing/Attaching the Retard Roller 103
Removing/Attaching the Document Holding Guide 105

1. Regular Maintenance

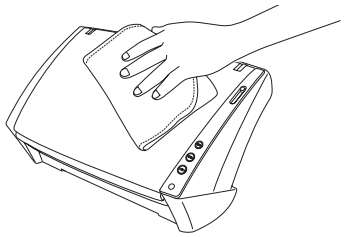
Clean the scanner on a regular basis, as described below, to maintain peak scanning quality.

CAUTION

- **When cleaning the scanner and the inside of the scanner, turn OFF the power switch and disconnect the power cord from the power outlet.**
- **Do not use spray cleaners to clean the scanner. Precision mechanisms, such as the light source, may get wet, and cause a malfunction.**
- **Never use paint thinner, alcohol, or other organic solvents to clean the scanner. Such solvents can damage or discolor the exterior of the scanner, or create a risk of fire or electrical shock.**

Cleaning the Scanner

To clean the exterior of the scanner, dampen a cloth with water or a mild detergent, wring the cloth out thoroughly, and then wipe the dirt away. Then use a dry, soft cloth to wipe away any moisture.



Cleaning the Inside of the Scanner

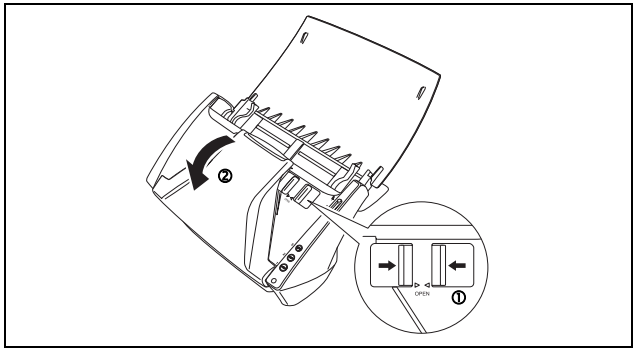
Dust or paper particles inside the scanner may cause lines or smudges to appear on scanned images. Use compressed air to periodically clean dust and paper particles from the document feed opening and the inside of the scanner. After finishing a large scanning job, turn OFF the scanner and then clean out any paper particles remaining inside the scanner.

Cleaning the Sensor Glass and the Rollers

If scanned images contain streaks, or if the scanned documents become dirty, the sensor glass or rollers inside the scanner may be dirty. Clean them periodically.

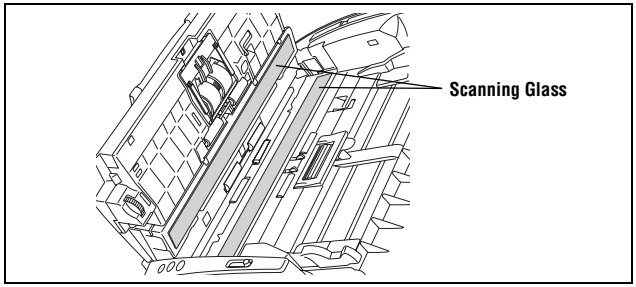
1 Open the document feed tray (See p. 23).

2 Press the OPEN knob from both sides (①), and pull the front unit out and downward to open it (②).



3 Use compressed air to remove dust and paper particles from the inside of the scanner.

4 Use a clean dry cloth to wipe dirt off the sensor glass.



Wipe both the front and back sensor glasses.

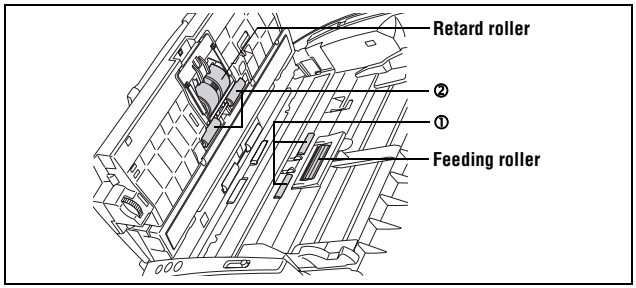
CAUTION

Do not spray water or neutral detergent directly on the scanner. Precision mechanisms, such as the light source, may get wet, and cause a malfunction.

IMPORTANT

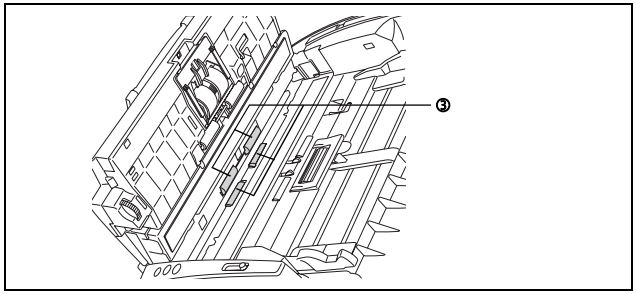
Scratches on the sensor glass may cause marks on the images, as well as feeding errors. If there are scratches on the sensor glass, contact your local authorized Canon dealer or service representative.

5 Clean the ① rollers by wiping the exposed part without turning them.

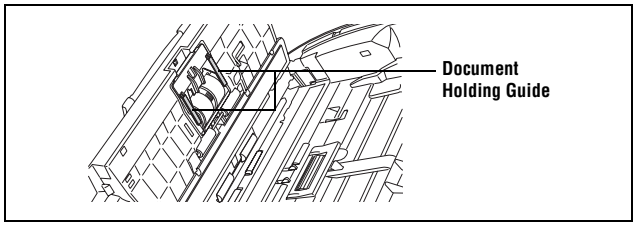


Clean the ② rollers while turning them. Wipe the rollers with a cloth that has been dampened with water and thoroughly wrung out, and then use a dry, soft cloth to wipe away any moisture.

6 Clean the ③ rollers by wiping the exposed part without turning them.



7 Wipe the document holding guide with a cloth that has been dampened with water and thoroughly wrung out.

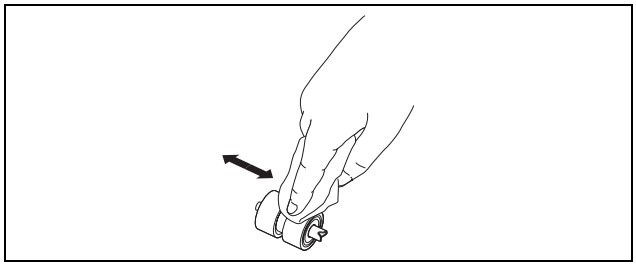


8 Remove the retard roller and feeding roller (See p. 101 and p. 103.).

IMPORTANT

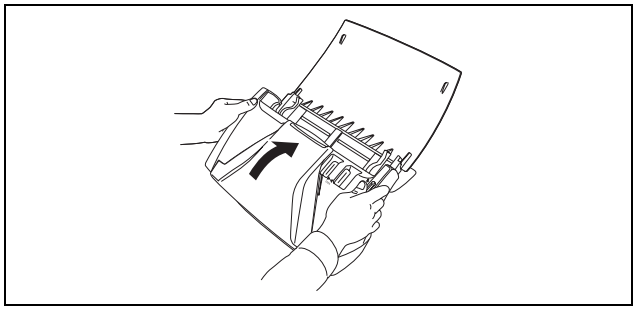
Remove the retard roller and feeding roller from the scanner to clean them, and make sure to reattach them to the scanner when cleaning is finished.

9 Wipe the removed rollers with a cloth that has been dampened with water and thoroughly wrung out.



10 Reattach the retard roller and feeding roller (See p. 102 and p. 104.).

11 Close the front unit by gently pushing it up on both sides until it clicks into place. Make sure that the front unit is completely closed by pushing until you hear a click.



12 Close the document feed tray.

2. Removing and Attaching the Rollers and Document Holding Guide

To clean or replace the feeding roller, retard roller, or document holding guide, remove and then attach the parts as described in each respective section.

CAUTION

Do not use excessive force when removing or attaching the rollers and document holding guide. Doing so many damage them.

Roller Replacement Cycle

When the rollers have fed more than 100,000 pages, a roller replacement message appears on the computer. Purchase an exchange roller kit and replace the feeding roller and the retard roller.

IMPORTANT

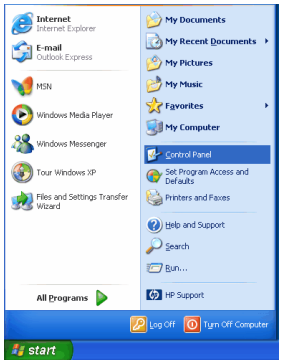
- Rollers are consumable parts. When the rollers start to wear out, paper jams and misfeeds may occur more often. When this happens, purchase an exchange roller kit and replace the feeding roller and the retard roller.
- If misfeeds occur often, check the rollers for wear, and replace them if necessary before the message is displayed.
- Make sure to reset the counter after replacing the rollers (See "Resetting the Counter," on p. 98.).
- For information about the exchange roller kit (feeding roller, retard roller,) contact your local authorized Canon dealer or service representative.

Resetting the Counter

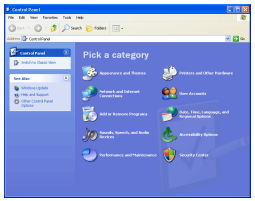
After replacing the feed rollers, open the counter settings dialog box and reset the counter.

Under Windows

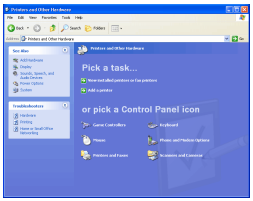
1 From the Windows task bar, click [Start] → [Control Panel].



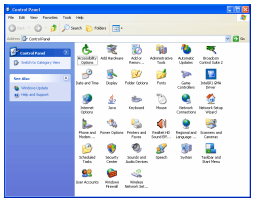
2 Double-click [Printers and Other Hardware] in the working field → click [Scanners and Cameras].



Control Panel (Category View)



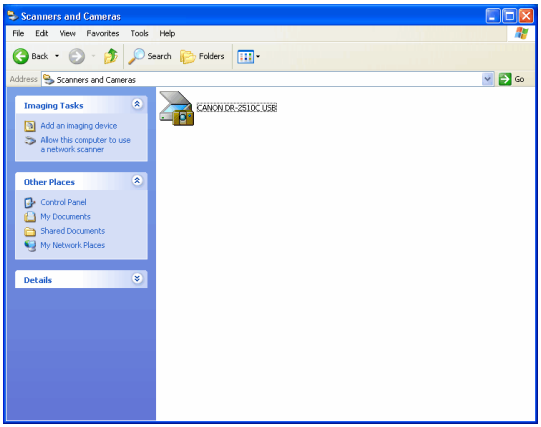
Printers and Other Hardware



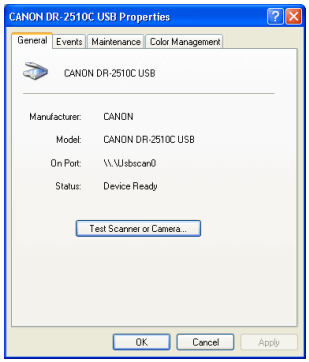
Control Panel (Classic View)

If the Control Panel is displayed with the Category View, switch to Classic View.

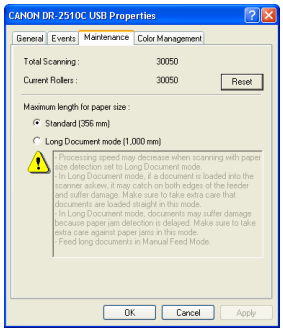
3 Double-click [Scanners and Cameras].



4 Right-click [CANON DR-2510C USB] or [CANON DR-2010C USB] → click [Properties].



5 Click the [Maintenance] tab → [Reset].



6 Confirm that the counter for the selected roller is set to 0 → click [OK].

Under Mac OS X

1 Start Image Capture.
To start Image Capture, click the hard disk icon (e.g. [Macintosh HD]), the [Applications] folder, and then the [Image Capture] icon.

2 Click [Browse Devices] in the [Devices] menu.

3 Select the scanner you want to use, and select the [Use TWAIN software] check box.

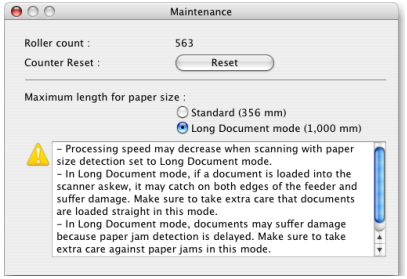
4 Click [OK].

5 Click [DR-2510M TWAIN] in the [Devices] menu.

6 Click [Scan].
The settings screen for the scanner driver appears.

7 Click the (information) button.
The [Scanner Information] dialog box appears.

8 Click [Maintenance].
The [Maintenance] dialog box appears.



9 Click [Reset].

10 Click to close the dialog box.

Removing/Attaching the Feeding Roller

To remove or attach the feeding roller, follow the procedure below.

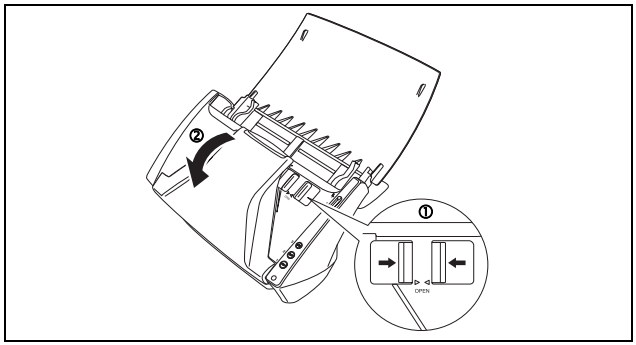
CAUTION

Use caution when removing or attaching the feeding roller. Using excessive force may cause damage or personal injury.

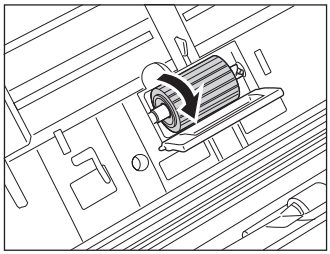
Removing the Feeding Roller

1 Open the document feed tray (See p. 23).

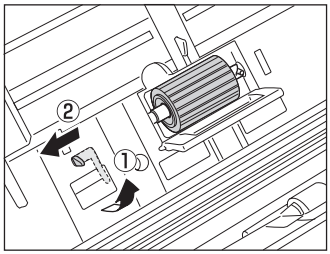
2 Press the OPEN knob from both sides (①), and pull the front unit out and downward to open it (②).



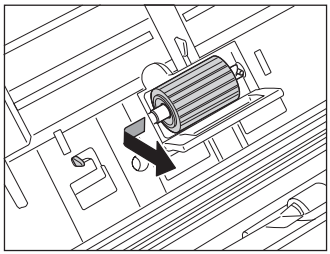
3 Open the roller cover on the main unit by placing your fingers in the grooves and pulling it down.



4 Lift up the roller fixing lever (①), and slide it to the left (②).

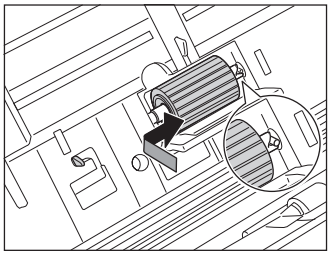


5 Remove the feeding roller by moving it to the left to detach it from its shaft, and pull it out of the slot.

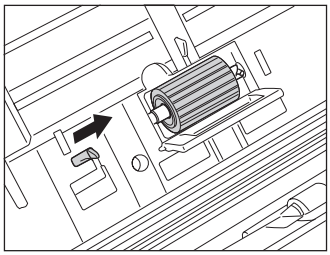


Attaching the Feeding Roller

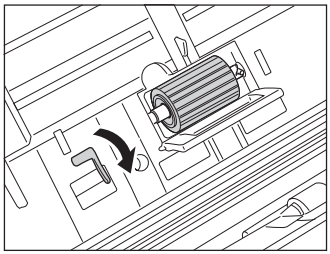
1 Insert the feeding roller into the slot inside the roller cover, and align the notch on the roller with the shaft on the main unit.



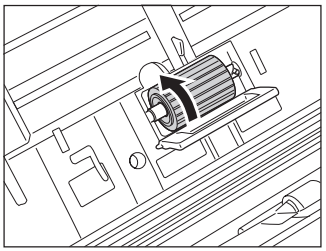
2 Slide the roller fixing lever to the right to lock the roller into the hole on the left of the feeding roller.



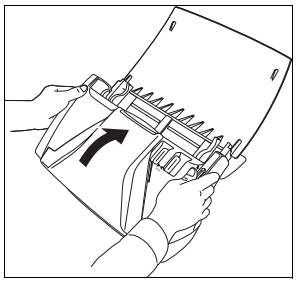
3 Push down the lever to lock the shaft of the feeding roller into place.



4 Close the roller cover. Make sure that the cover is completely closed by pushing until you hear a click.



5 Close the front unit by gently pushing it up on both sides until it clicks into place. Make sure that the front unit is completely closed by pushing until you hear a click.



Removing/Attaching the Retard Roller

To remove or attach the retard roller, follow the procedure below.

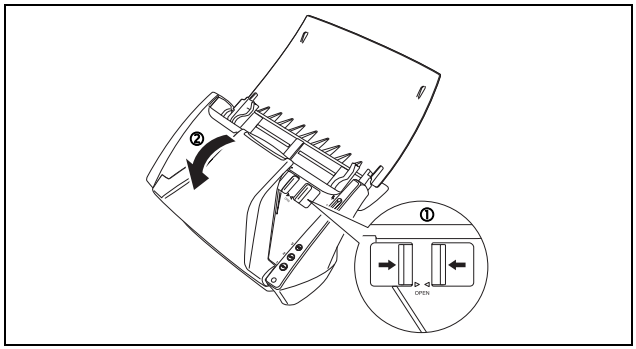
CAUTION

Use caution when removing or attaching the retard roller. Using excessive force may cause damage or personal injury.

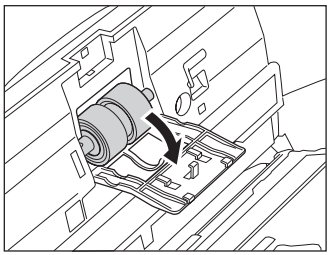
Removing the Retard Roller

1 Open the document feed tray (See p. 23).

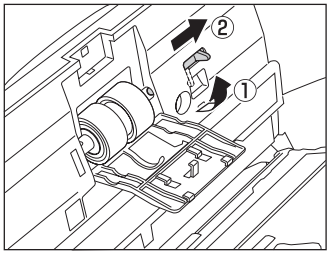
2 Press the OPEN knob from both sides (①), and pull the front unit out and downward to open it (②).



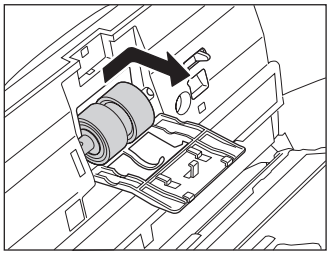
3 Grasp the ends of the roller cover inside the front unit and pull it down to open it.



4 Lift up the roller fixing lever (①), and slide it to the right (②).

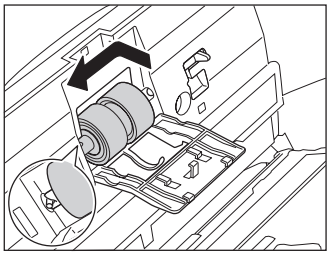


5 Remove the retard roller by moving it to the right to detach it from its shaft, and pull it out.

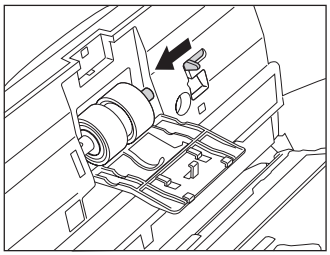


Attaching the Retard Roller

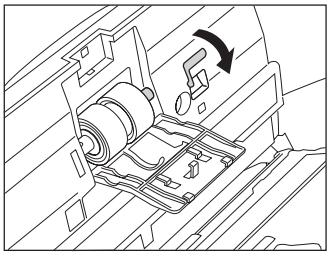
1 Insert the retard roller into the slot inside the roller cover, and align the notch on the roller with the shaft on the front unit.



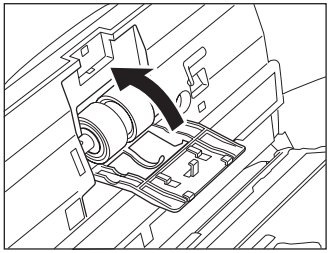
2 Slide the roller fixing lever to the left to lock the roller into the hole on the left of the retard roller.



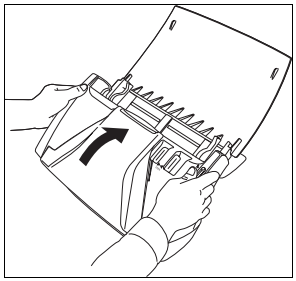
3 Push down the lever to lock the shaft of the feeding roller into place.



4 Close the roller cover. Make sure that the cover is completely closed by pushing until you hear a click.



5 Close the front unit by gently pushing it up on both sides until it clicks into place. Make sure that the front unit is completely closed by pushing until you hear a click.



Removing/Attaching the Document Holding Guide

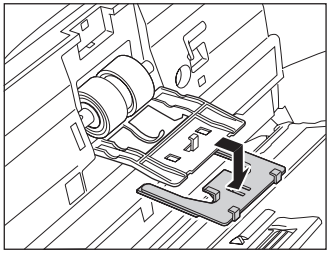
To remove or attach the document holding guide, follow the procedure below.

CAUTION

Use caution when removing or attaching the document holding guide. Using excessive force may cause damage or personal injury.

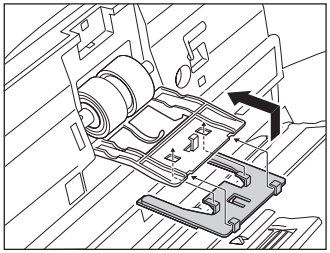
Removing the Document Holding Guide

1 Open the roller cover, and slide the document holding guide backwards to remove it.



Attaching the Document Holding Guide

1 Fit the hooks (four) of the document holding guide onto the roller cover, and slide the document holding guide forwards to attach it.



Chapter 8 Troubleshooting

1. Common Problems and Solutions 106
2. Software Troubleshooting 108
3. Q & A (Useful tips) 108
4. Uninstalling the Software 110
Uninstalling on Windows 110
Uninstalling on Mac OS X 112

1. Common Problems and Solutions

This section provides recommended solutions to common problems.
If you have a problem that is not solved by the following, contact your local authorized Canon dealer.

Problem 1	**The scanner will not turn on.**
Solutions	(1) Confirm that the power switch is set correctly. (2) Confirm that the AC adapter is plugged firmly into a power outlet. (3) When the power switch is in the AUTO position, the scanner only turns on when the computer is on.
Problem 2	**The scanner is not recognized.**
Solutions	(1) Confirm that the scanner is properly connected to the computer with a USB cable. (2) Confirm that the scanner is turned on. See the previous problem (1) if the scanner does not turn on. (3) The computer's USB interface may not support the scanner. The scanner cannot be guaranteed to work with all USB interfaces. (4) Confirm that the supplied USB cable is used to connect the scanner to the computer. The scanner cannot be guaranteed to work with all available USB cables. (5) If the scanner is connected to the computer via a USB hub, try removing the hub and connecting directly to the computer.
Problem 3	**Documents feed askew (scanned images are slanted).**
Solutions	(1) Align the document guides to fit the documents as closely as possible, and load the documents so that they feed straightly. (2) Enable the [Deskew] scanner driver setting. (3) If many pages have been scanned since roller cleaning, clean the rollers. If documents still feed askew, roller replacement or other maintenance may be needed. See Chapter 7 Maintenance for roller replacement procedures.

Problem 4 **Both sides are not scanned even when the Duplex scanner driver setting is enabled.**

Solutions

In CaptureOnTouch or CapturePerfect 3.0, executing a job for which single-sided (simplex) scanning is registered will always result in simplex scanning, regardless of scanner driver settings.
For example, if [Simplex] is selected under the [Scanner setting] tab of the [Job Register] dialog box in CaptureOnTouch, scanning will always be single-sided for that job. Even if you configure scanner driver settings from [Scan Batch to File] under the [Scan] menu in CapturePerfect 3.0, a job will always be performed according to its registered settings. To perform duplex scanning, either change the job setting or create another job for duplex scanning.

Problem 5 **If white lines or streaks appear in scanned images.**

Solutions

Clean both sides of the scanner glass, and the rollers (both rubber and metal). If a sticky substance such as glue or correction fluid is found, carefully wipe with just enough pressure to clean the area where the lines appear. If the problem cannot be solved by cleaning, the internal glass may be scratched. Contact your local authorized Canon dealer.

Problem 6 **Pages are missing.**

Solutions

When the scanner driver's [Scanning Side] setting is [Skip Blank Page], documents with very little black may be unintentionally skipped. Select another scan mode setting such as [Simplex] or [Duplex], or decrease the [Ratio of black pixels]. If pages are skipped due to the document double feeding, see "Problem 7 Documents jam (or double-feed)".

Problem 7 **Documents jam (or double-feed).**

Solutions

(1) Confirm that the roller is installed in the scanner according to the Setup Guide page inserted in Reference Guide. The roller is not installed in the scanner when shipped, and proper feeding is not possible until it is installed. If the roller has been installed correctly, clean it if necessary.
(2) Proper scanning may not be possible when document pages stick together due to static electricity. Fan the documents before you load them.
(3) Set the feed selection lever to ⏚ (Bypass), and manually feed the scanner one page at a time.

Problem 8 **Scanned images are saved in TIFF instead of JPEG format.**

Solutions

When the scanner driver's [Mode] setting is [Auto Color Detection], documents detected as black and white (binary) are automatically saved as TIFF images, regardless of document settings. This occurs because JPEG format does not support black and white binary format images. If you want to save all images in JPEG format, change the scanning [Mode] to either [Color] or [256-level Gray].

Problem 9 **Each scanned image of a multi-page document is saved as a separate document.**

Solutions

- With CaptureOnTouch, you can scan multiple pages into one image file when TIFF or PDF file format is selected. To do this, select [File type], click the [Detail Settings] button, and select [Save all pages as one file] in the displayed dialog box.
- When you select [Scan Batch to File] from the [Scan] menu in CapturePerfect, a dialog box appears with a pull-down menu at the bottom that allows you to select [Single Page], [Multi Page (All Pages)], or [Multi Page (Specified Pages)]. If you select [Single Page], each page of a multi-page document is saved as a separate image file. To save multiple pages to a single image file, select [Multi Page (All Pages)] or [Multi Page (Specified Pages)].

Problem 10 **Documents feed, but no scanned images are saved.**

Solutions

When Panel-Feeding is selected as the feeding method on the scanner driver's setting screen, after a document is fed, scanning does not occur until the scan button is clicked on the scan panel.

Problem 11 **Scanned images of multiple pages cannot be saved in a single JPEG or BMP (PICT) file.**

Solutions

Multiple scanned images cannot be saved in a single JPEG or BMP (PICT) file. Save the images in either TIFF or PDF format.

2. Software Troubleshooting

This section describes troubleshooting problems and solutions for operating the supplied software (CaptureOnTouch and CapturePerfect).

If scanning is too slow

(1) Close other running programs, if any.
(2) Scanning can be slowed down by memory shortage caused by memory-resident applications such as anti-virus programs. Close such memory-resident programs if necessary to free up memory space.
(3) When insufficient hard disk space is available, the scanner may be unable to create the necessary temporary files for scanned data. Delete unneeded data on the hard disk to free up more space.
(4) Scanning is slow if the computer's USB port is not Hi-Speed USB 2.0 compliant.
(5) If using a common USB cable that is not Hi-Speed USB 2.0 compliant, replace the cable with the supplied compliant cable.
(6) When the scanner is connected to the computer via a USB hub that is not Hi-Speed USB 2.0 compliant, remove the hub and connect the scanner directly to the computer.

If scanned image files cannot be opened in an application

(1) Scanned images saved as multi-page TIFF files can be opened only by programs that support this file format.
(2) Images saved as compressed TIFF files (single- as well as multi-page) can only be opened by programs that support the compressed format. This can occur with programs that are not compatible with CaptureOnTouch or CapturePerfect. In this case, select "None" as the image file compression format before scanning.

If CapturePerfect cannot open some PDF files

Some PDF files created by non-Canon programs cannot be opened by CapturePerfect.

3. Q & A (Useful tips)

Here are some useful tips for scanning documents.

Where are scanned images saved? Can the save destination be changed?

Images are saved to the following locations, according to program settings. All destination locations can be changed to other folders.

CaptureOnTouch

- For Scan First scanning, files are saved in the folder specified on the Output Settings screen.
- For selected job scanning, files are saved in the folder specified on the [Output settings] tab during job registration.

CapturePerfect

- During normal scanning operations such as single-page scanning, the image file save destination can be specified each time scanning is performed.
- When scanning using a registered job, files are saved to the folder specified by the job settings.

How are scan settings performed?

CaptureOnTouch

- For Scan First scanning, click [Scanner setting] on the first (main) screen to display available scan settings.
- For selected job scanning, settings are available on the [Scanner setting] tab when registering the job.

CapturePerfect

- For normal scanning, click [Scanner Setting] from the [Scan] menu to open the scanner driver setting screen, and make settings there.
- Scan job settings are made for each job.

How do I save multiple pages in one file, or save one file per page?

When scanned images are saved in BMP (PICT) or JPEG format, each image is always saved in a separate file.
When scanned images are saved in PDF or TIFF format, you can specify multi- or single-page files. See also item 8 in section 1, "Common Problems and Solutions".

Can I copy or back up scanner setting configurations?

CaptureOnTouch

Scanner settings are backed up with other setting contents as Environment settings. See also the following question, "Can I copy or back up CaptureOnTouch settings?".

CapturePerfect
Scanner setting configurations cannot be copied or backed up in CapturePerfect.

Can I copy or back up CaptureOnTouch settings?
Click the [Environ. Settings] button to display the [Environmental settings] dialog box, where setting configurations can be backed up and restored using [Backup/Restore] on the [Basic settings] tab.

What rules apply to scanned image file names?
CaptureOnTouch
Scanned image file names are constructed according to the settings in the [File name settings] dialog box. This dialog box appears when you click the [File name settings] button on the Scan First output settings screen, and on the [Output settings] tab on the [Register new job] screen.
Scanned image file names are constructed partly or wholly according to the following three settings in the dialog box.

Setting	Description
File name	Any specified text string to be included in the file name.
Add date and time	Appends the date and time to file names. Select the date format from the list box. YYYY = year, MM = month, and DD = day of month. The time is appended after the date.
Add counter to file names	Append serial numbers in the order of scanned image saving. Specify the number of digits and starting number.

A sample file name is displayed as the [File name] in the [File name settings] dialog box.

How do I scan half-folded documents (folio scanning)?
Fold the document in half, and set it in the scanner with the fold at the right. Specify half-size document (the size after folding) as the scanner setting, then scan. (See p. 27.)

How can I skip blank pages, and scan only non-blank pages?
Specify [Skip Blank Page] on the scanner driver setting screen, then scan.

How do I scan cards?
Set a card in landscape orientation in the scanner. Specify the same size as the card (or Auto-detection), then scan. (See p. 26.)

Is it possible to add or insert images in a scanned image file?
CapturePerfect includes a function to add or insert pages in scanned image files. Refer to the CapturePerfect Operation Guide for details.

How do I paste OCR results from CapturePerfect into Excel or Word?
After scanning with OCR recognition enabled in CapturePerfect, click [Modify Barcode/OCR] in the [Edit] menu to open the [Modify Barcode/OCR] dialog box, where you can copy the text in the [OCR Characters] box. Alternatively, PDF files that were scanned with OCR enabled can be opened with an application such as Acrobat, where the desired text can be copied.

How do I load and scan documents with mixed sizes?
Before scanning, set the [Page Size] to [Auto-detection] on the scanner driver setting screen. (See p. 67.)

What's the best way to scan business cards or photos?
Before scanning, set the [Page Size] to [Auto-detection] on the scanner driver setting screen. Alternatively, register the size of the cards or photos to be scanned. (See p. 74.)

How do I print scanned data?
CaptureOnTouch
- For Scan First scanning, select [Print] on the Output Method selection screen.
- For selected job scanning, select [Print] as the [Output method] when registering the job.

CapturePerfect
Scan using the scan batch print function. Alternatively, register a job with a printer selected as the output destination.
How do I save scanned data in a shared folder?

How do I save scanned data in a share folder?
CaptureOnTouch
- For Scan First scanning, select [Save to folder] on the output method selection screen, and specify the shared folder as the save destination on the Output Setting screen.
- For selected job scanning, select "Save as file" as the [Output method] when registering the job and specify the shared folder as the save destination on the [Output settings] tab.

CapturePerfect
Scan using Scan Batch file (or Scan Single Page) setting. Alternatively, register a job with the output destination as a file, and set the save destination to the shared folder.

How can I attach scanned data to an e-mail (or send it as e-mail)?

CaptureOnTouch

- For Scan First scanning, select [Attach to E-mail] on the output method selection screen.
- For selected job scanning, select "Attach to E-mail" as the [Output method] when registering the job.

CapturePerfect

Scan using the Scan Batch to Mail function. Alternatively, register a job with the output destination as e-mail.

4. Uninstalling the Software

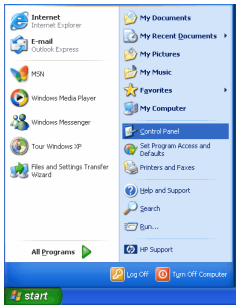
If the ISIS/TWAIN driver, CaptureOnTouch, or CapturePerfect 3.0 are not operating normally, follow the procedure below to uninstall them. Then, re-install the software from the Setup disc (See "Installing the Software," on p. 13 and "Software Installation (Mac OS X)," on p. 16).

Uninstalling on Windows

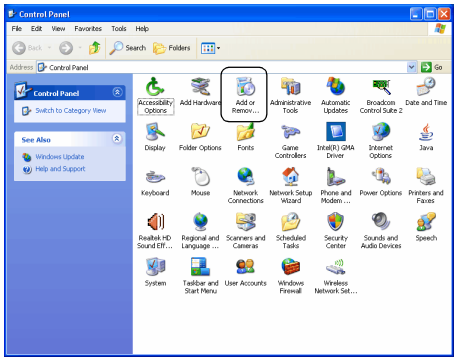
IMPORTANT

Log on to Windows as an Administrator.

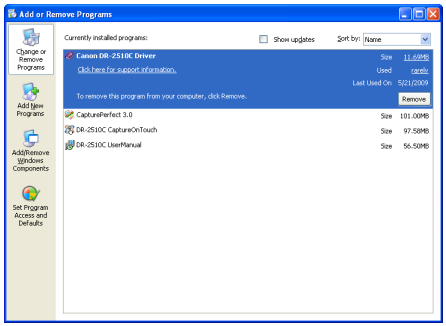
1 From the Windows task bar, click [Start] → [Control Panel].



2 Double-click [Add or Remove Programs].

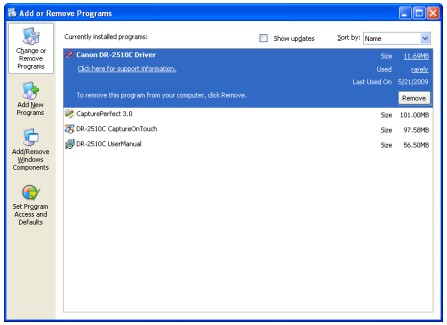


The [Add or Remove Programs] dialog box appears.



Uninstalling the ISIS/TWAIN Driver and CaptureOnTouch

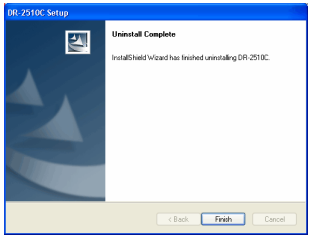
1 From the Programs list, click [Canon DR-2510C Driver] / [Canon DR-2010C Driver] (or [DR-2510C CaptureOnTouch] / [DR-2010C CaptureOnTouch]) → click [Remove].



The delete confirmation screen appears.

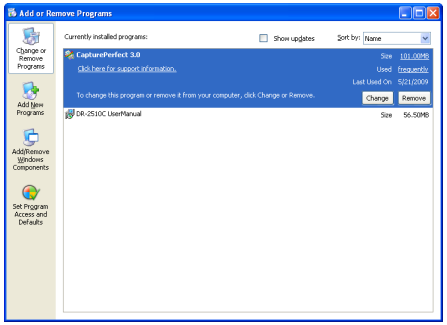
2 Click [Yes] in the [DR-2510C Setup] / [DR-2010C Setup] dialog box.

3 Click [Finish].



Uninstalling CapturePerfect 3.0

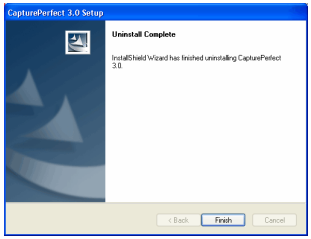
1 From the Programs list, click [CapturePerfect 3.0] → [Remove].



The delete confirmation screen appears.

2 Click [Yes] in the [CapturePerfect 3.0 Setup] dialog box.

3 Click [Finish].



Uninstalling on Mac OS X

No uninstaller is provided for Mac OS X drivers. To uninstall, use Finder to delete the following files.

Scanner Driver:

/Library/Image Capture/TWAIN Data Sources/DR2510M.ds
/Applications/Canon DR-2510M

CaptureOnTouch:

/Library/Receipts/DR-2510M Driver.pkg
/Library/Receipts/DR-2510M CaptureOnTouch.pkg

Chapter 9 Appendix

Specifications **113**
Specifications 113
Replacement Parts 114
External Dimensions 115
INDEX **117**

Specifications

Specifications

Main Unit

Type		Desktop sheetfed scanner
Scanning Document Size		
Plain Paper		
Size		Width: 1.97" to 8.5" (50 mm to 216 mm) Length: 2.12" to 14.02" (53.9 mm to 356mm)*
Paper weight: (Page separation mode)		14 to 32 lb bond (52 to 128 g/m^2) 0.0024" to 0.0059" (0.06 mm to 0.15 mm)
Paper weight: (Bypass mode)		11 to 42 lb bond (40 to 157 g/m^2) 0.002" to 0.0079" (0.05 mm to 0.20 mm) *You can scan documents up to 39.2" (1000 mm) long by setting the scanner to the Long Document mode. (See "Setting the Long Document Mode," on p. 32.)
Business Card	**Size:**	1.97"x 2.12" (50 mm x 53.9 mm) or larger
	Paper weight:	140 lb bond (300g/m^2) 0.0138" (0.35 mm) or less
Card	**Size:**	2.12" x 3.37" (53.9 mm x 85.5 mm) (ISO standard)
	Card thickness:	0.03" (0.76 mm) or less
	Orientation:	Horizontal feeding only Embossed cards can be scanned.
Document Feeding Method		Automatic
Scanning Sensor		Contact image sensor
Light Source		LED
Scanning Side		Simplex/Duplex
Scanning Modes		Black and White, Error Diffusion, 256-level Grayscale, Advanced Text Enhancement (only for Windows), Advanced Text Enhancement II, 24-bit Color
Scanning Resolution (Primary Scan Lines x Secondary Scan Lines)		100 x 100dpi/150 x 150dpi/200 x 200dpi/ 240 x 240dpi/300 x 300dpi/400 x 400dpi/ 600 x 600dpi
Scanning Speed (Conditions: Pentium 4 3.2 GHz CPU/Core 2 Duo 2.4 GHz, 1 GB memory, LTR/A4 document size)		
	Black and White Simplex	200 x 200 dpi 25 pages/min.(DR-2510C/DR-2510M), 20 pages/min.(DR-2010C/DR-2010M)
		300 x 300 dpi 25 pages/min.(DR-2510C/DR-2510M), 20 pages/min.(DR-2010C/DR-2010M)

Duplex	200 x 200 dpi	50 images/min.(DR-2510C/DR-2510M), 40 images/min.(DR-2010C/DR-2010M)
	300 x 300 dpi	50 images/min.(DR-2510C/DR-2510M), 40 images/min.(DR-2010C/DR-2010M)
Grayscale Simplex	200 x 200 dpi	25 pages/min.(DR-2510C/DR-2510M), 20 pages/min.(DR-2010C/DR-2010M)
	300 x 300 dpi	25 pages/min.(DR-2510C/DR-2510M), 20 pages/min.(DR-2010C/DR-2010M)
Duplex	200 x 200 dpi	50 images/min.(DR-2510C/DR-2510M), 40 images/min.(DR-2010C/DR-2010M)
	300 x 300 dpi	50 images/min.(DR-2510C/DR-2510M), 40 images/min.(DR-2010C/DR-2010M)
24-bit Color Simplex	100 x 100 dpi	25 pages/min.(DR-2510C/DR-2510M), 20 pages/min.(DR-2010C/DR-2010M)
	200 x 200 dpi	25 pages/min.(DR-2510C/DR-2510M), 20 pages/min.(DR-2010C/DR-2010M)
Duplex	100 x 100 dpi	50 images/min.(DR-2510C/DR-2510M), 40 images/min.(DR-2010C/DR-2010M)
	200 x 200 dpi	50 images/min.(DR-2510C/DR-2510M), 40 images/min.(DR-2010C/DR-2010M)

Interface	Hi-Speed USB 2.0
Other Functions	Auto document thickness adjustment, folio scanning
External Dimensions	11.7" x 6.3" x 6.3" (W x D x H) 298mm x 160mm x 160mm (W x D x H)
Maximum External Dimensions (with Document Feed Tray and Eject Tray Open)	11.7" x 19.5" x 9.8" (W x D x H) 298mm x 490mm x 245mm (W x D x H)
Weight (without AC adapter)	Approximately 5.3 lb (2.4 kg).
Power Supply (using AC adapter)	DC 16 V, 1.0 A
Power Consumption	Scanning: Maximum 16 W In the Sleep mode: Maximum 1.8 W (AC 220-240 V: 1.9 W) With power switch OFF: Maximum 0.5 W
Noise	Not more than 66 dB
Operating Environment	Temperature: 10°C to 32.5°C (50°F to 90.5°F) Humidity: 20% to 80% RH

AC Adapter (100 to 240 V type)

Model Number	MG1-4315
Input	AC 100 to 240 V, 50/60 Hz, 65 VA to 82 VA
Output	DC 16 V, 1.8 A
Weight	Approximately 0.3 kg (including power cord)

Replacement Parts

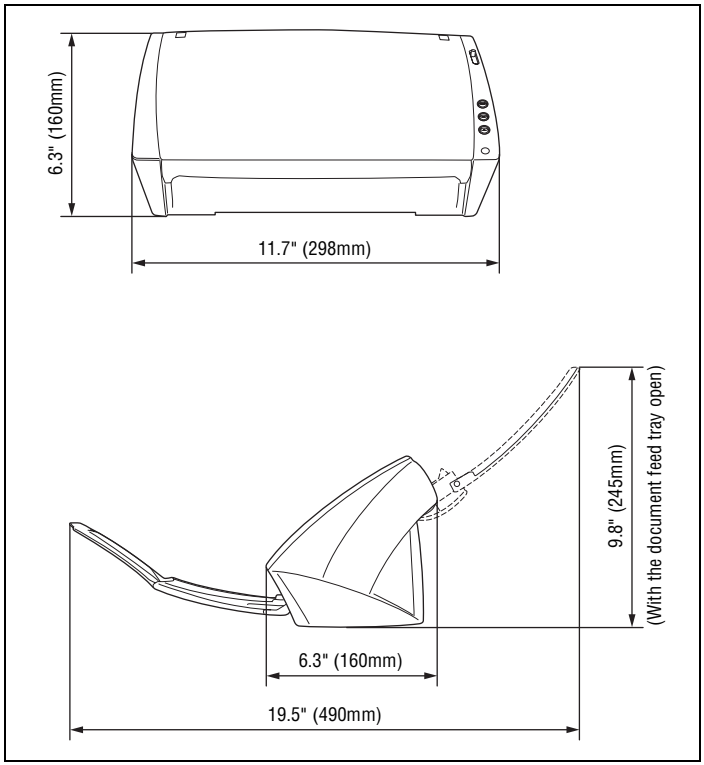
Exchange roller kit (product code: 2445B001)

Kit to replace the rollers (retard roller, feeding roller) and document holding guide.

- For information on replacing the rollers, see "Removing/Attaching the Feeding Roller," on p. 101. and "Removing/Attaching the Retard Roller," on p. 103.
- For information on replacing the document holding guide, see "Removing/Attaching the Document Holding Guide," on p. 105.
- Contact your local authorized Canon dealer or service representative for detailed information about the replacement parts.

Product specifications are subject to change without notice.

External Dimensions



FCC REGULATIONS (For 120 V model)

Document Scanner, Model M11065/M11064/M11074/M11073

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1)

This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment OFF and ON, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

Use of shielded cable is required to comply with class B limits in Subpart B of Part 15 of FCC Rules.

Do not make any changes or modifications to the equipment unless otherwise specified in the manual. If such changes or modifications should be made, you could be required to stop operation of the equipment.

Canon U.S.A. Inc.

One Canon Plaza, Lake Success NY 11042, U.S.A.

Tel. No. (516)328-5000

RADIO INTERFERENCE REGULATIONS (For 120 V models)

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the Interference-causing equipment standard entitled "Digital Apparatus", ICES-003 of the Industry Canada.

RÈGLEMENT SUR LE BROUILLAGE RADIOÉLECTRIQUE (For 120 V models)

Cet appareil numérique respecte les limites de bruits radioélectriques applicables aux appareils numériques de Classe B prescrites dans la norme sur le matériel brouilleur: "Appareils Numériques", NMB-003 édictée par l'Industrie Canada.

European Union (and EEA) only.

This symbol indicates that this product is not to be disposed of with your household waste, according to the WEEE Directive (2002/96/EC) and your national law. This product should be handed over to a designated collection point, e.g., on an authorized one-for-one basis when you buy a new similar product or to an authorized collection site for recycling waste electrical and electronic equipment (EEE). Improper handling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances that are generally associated with EEE. At the same time, your cooperation in the correct disposal of this product will contribute to the effective usage of natural resources. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, waste authority, approved WEEE scheme or your household waste disposal service. For more information regarding return and recycling of WEEE products, please visit www.canon-europe.com.

(EEA: Norway, Iceland and Liechtenstein)

MODEL NAMES

Model DR-2010C is identical to model M11065.
Model DR-2010C is the sales name of model M11065.
Model DR-2510C is identical to model M11064.
Model DR-2510C is the sales name of model M11064.
Model DR-2010M is identical to model M11074.
Model DR-2010M is the sales name of model M11074.
Model DR-2510M is identical to model M11073.
Model DR-2510M is the sales name of model M11073.

INDEX

A
AC Adapter 7

B
Batch Separation 90
Bypass mode 26

C
CaptureOnTouch 35
- Job buttons 46
- Output methods 39
- Scan First 40
- Scanner settings 37
- Select Scan Job 42
- Starting 36

CapturePerfect 3.0 13
Cards, placing 26
Cleaning
- Document holding guide 97
- Main body 95
- Rollers 96
- Sensor glass 96

Connecting to the Computer 18
Counter, resetting 98

D
Dimensions 115
Disposal 9
Document eject area 11
Document feed tray 11
Document feeder 11
Document guides 11
Document holding guide
- Attaching 105
- Removing 105

Documents 21
- Placing 24

Double feed detection 88
Driver 13

E
Extension tray 11

F
Features 9
Feed Selection lever 11
Feeding roller
- Attaching 102
- Removing 101

Folded documents, placing 27
Front unit 11

H
Handling 8

I
Installation location 6
Introduction 3

J
Job buttons 11

K
Kensington 11

L
Load limit mark 24
Long Document mode 32

M
Maintenance 95
Moving the scanner 7

N
Name of parts 11

O
OPEN button 11
Operating system 12

P
Page Separation mode 24
Paper jam, clearing 31
Power connector 11
Power indicator 11
Power switch 11
Practical examples 29
Preparing the scanner 23

Document eject tray 23
Document feed tray 23
Document stopper 23

R

Recognizing the scanner by computer 19
Replacement parts 114
Retard roller
Attaching 104
Removing 103
Roller, replacing
Counter, resetting 98
Replacement cycle 98

S

Scan Panel 55
Scanner Driver Properties Dialog Box 62
Auto color detection 66
Background, removing 82
Breed through, preventing 82
Brightness, adjusting 75
Contrast, adjusting 75
Deskewing 71
Double feed detection 88
Feeding options 89
Gamma curve settings 77
Image contour, adjusting 78
Moire, reducing 72
Omitting a special color 83
Paper size settings 67
Prescan 91
Recovering from the error 86
Red color, enhancing 85
Registering scan Conditions 93
Resolution, setting 68
Rotating image 80
Scan area, adjusting 73
Scan mode setting 64
Scanning side settings 69
Text orientation, correcting 81
Version, checking 94
Scanning methods 28
Setup disc 13
Custom Installation 13
Read Manuals 13
Typical Installation 13
Software
Installing 13
Uninstalling 110
Special scanning
11" X 17"/A3 (single-sided) 57
B&W and color pages mixed 56
Background, removing 58
Bleed through, reducing 58
Deleting the lines of a specified color 58
Different sized documents 57
Enhancing the Red Color 58
Enhancing the text 56
File size, reducing 59
Moire, reducing 58
Saving text data for keyword search 59
Security setting for PDF 59
Skipping blank pages 57
Text orientation, correcting 58
Specifications 113
System requirements 12

T

Typical Installation 14

U

USB connector 11
USB Link switch 9

PUB. CE-IE-752